# LIFE

THE WORLD WE LIVE IN: PART VII

## CREATURES OF THE SEA



THE QUEEN
TRIGGERFISH

20 CENTS

NOVEMBER 30, 1953

REG. U. S. PAT. OFF.

she's in love

. . . and she loves

# Community






## This Christmas—give her a service for 8—complete!

Sound extravagant? It isn't, but the thanks you'll get from the one you love surely will be! For every bride (and sweetheart and wife) has her heart set on Community. Not just a place setting or two—but a whole dinner service. All she needs, when she needs it. Your jeweler is waiting to show you Community's five world-famous patterns, the "Overlay" of pure silver for lifetime wear protection, and the stay-sharp serrated edge on every grille and dinner knife. Dinner services for 8 from $59.75, including chest lined with anti-tarnish Kenized* fabric. (Easy payments, if you wish.) Word to the wise shopper—order early to be sure of Community* . . . the finest silverplate.

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# MORE CAVITIES!




GUARANTEED
NOT TO STAIN

AT ALL STORES IN
SAME FAMILIAR PACKAGE
Product of Bristol-Myers

# SWITCH TO ANTI-ENZYME IPANA A/C WITH PROLONGED ANTI-DECAY ACTION

## Inhibits acid-producing enzymes not just for 1/2 hour—but for hour after hour

### STOPS BAD BREATH ALL DAY WITH CHLOROPHYLL

For months now, *every* tube of IPANA A/C Tooth Paste on sale everywhere has contained one of the most effective anti-enzyme ingredients known to science.

*Anti-enzyme* IPANA A/C gives you *prolonged* anti-decay action! Long after brushing, it protects your teeth against acid-producing enzymes. Not just for ½ hour or less, *but for hour after hour!*

And IPANA A/C's patented, ammoniated anti-decay formula is the *one* formula that has been *clinically proved* to cut down painful cavities. Only IPANA A/C—no other leading tooth paste—has it.

Remember, too—IPANA A/C stops bad breath all day with Chlorophyll, yet is guaranteed not to leave green stains on toothbrush, bowl or towel.

**NOTE THIS VITAL DIFFERENCE IN TOOTH PASTES**




**NOT CLINICALLY PROVED.** Unless a dentifrice formula has *actually cut down cavities* in a controlled clinical test, it cannot offer you positive proof of protection against tooth decay.

**CLINICALLY PROVED.** Anti-enzyme IPANA A/C is the only leading tooth paste using the formula *positively proved to cut down cavities*—in a 2-year clinical test of 784 school children.

# ALL IPANA A/C ON SALE EVERYWHERE IS ANTI-ENZYME IPANA A/C


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# Why

**Why** Texaco built it...
why the new *Advanced*
Custom-Made Havoline gives
the most complete protection
automotive engines
have ever known




YOU CAN SEE THE DIFFERENCE this new oil makes in engine wear. Wear test shows "soup bowl" worn in valve lifter "A" after only 100 hours' operation with a good non-additive oil. Note the like-new condition of valve lifter "B" after 500 hours' operation with Advanced Custom-Made Havoline.



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# Today's Best motor oil is Made...not Born

YESTERDAY'S *oils aren't good enough for today's engines.* That was apparent when trouble-shooters reported breakdowns of fine motor oils used as lubricants. It was obvious in our tests.

In one case, a modern high-speed engine—such as you may have in the car you drive—quit, froze, would no longer run after a little over 20,000 miles on the test block.

The best oil Mother Nature could offer couldn't keep it out of trouble.

Problem: develop an oil able to stay with engines built for turnpike speeds—able to stand searing heat, tremendous pressure, the beating of giant power. Such an oil was never born—could it be *built?*

Texaco's answer is the greatest motor oil ever offered to motorists—*Advanced Custom-Made Havoline.* Custom made for a tough job, it is an oil as modern as the engines it was built to protect, by far the most *complete protection* any automobile engine has ever known.

In formulating it, we first made the finest base-oil superior refining could produce. Then, by a Balanced-Additive formula, *made it better*—built a motor oil so advanced in anti-wear, anti-rust, anti-sludge and anti-acid qualities that it literally *wear-proofs your engine for the life of your car.*

Give your engine this added margin of safety. Get Havoline from your Texaco Dealer, *the best friend your car has ever had.*




**Advanced Custom-Made Havoline**

is the result of continually improving this famous motor oil. For there is a creed of The Texas Company, one of those by which we live: Make Havoline "THE BEST MOTOR OIL YOUR MONEY CAN BUY" . . . and *keep it best!*

## Today's *Advanced* Havoline wear-proofs your engine for the life of your car

TEXACO
REG.T.M.

THE TEXAS COMPANY

## TEXACO DEALERS

**in all 48 states**

*Texaco Products are also distributed in Canada and in Latin America*

This One

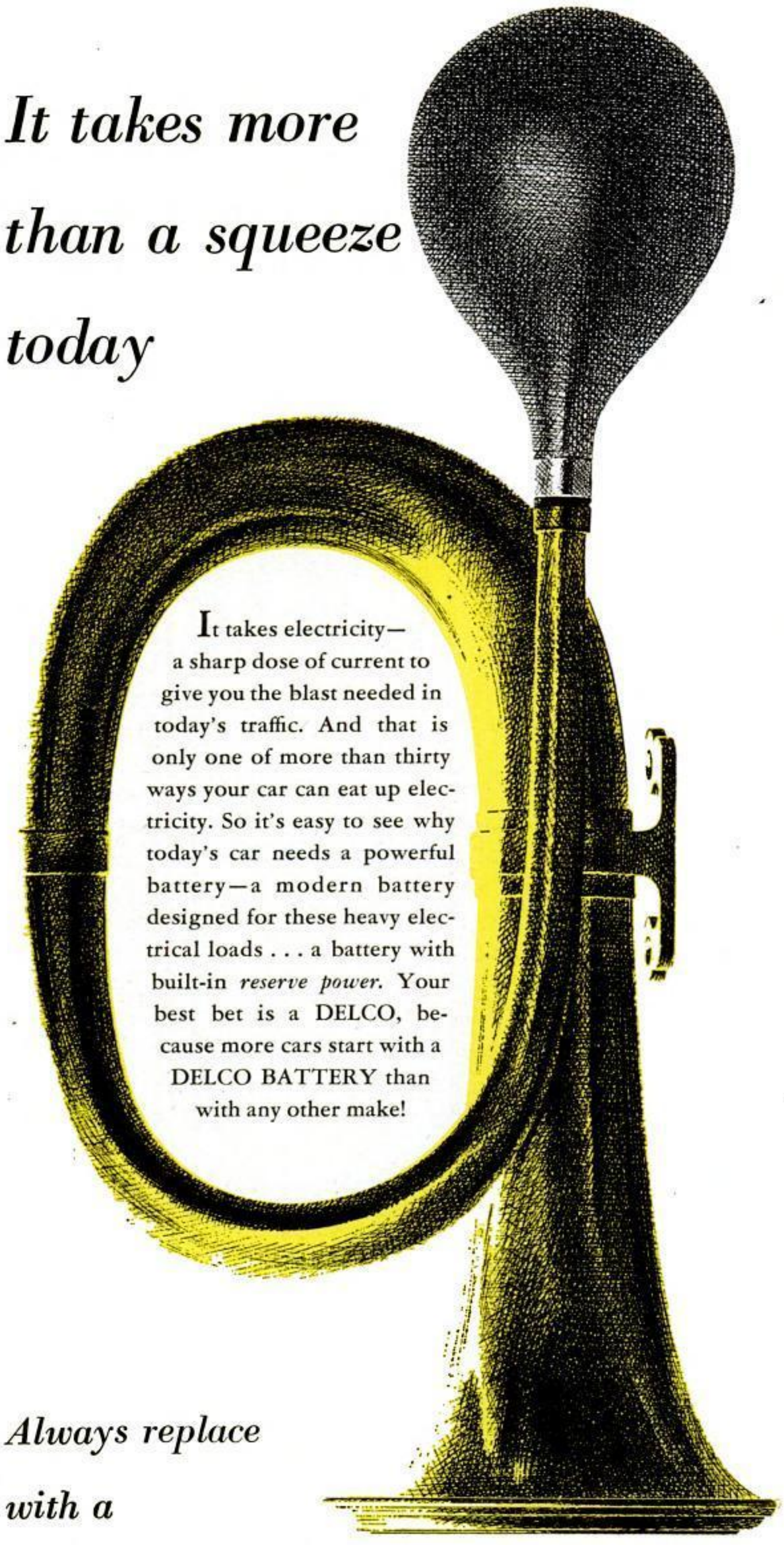
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**TUNE IN . . .** Metropolitan Opera radio broadcasts every Saturday afternoon beginning Dec. 5. See newspaper for time and station.



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*It takes more than a squeeze today*



It takes electricity—a sharp dose of current to give you the blast needed in today's traffic. And that is only one of more than thirty ways your car can eat up electricity. So it's easy to see why today's car needs a powerful battery—a modern battery designed for these heavy electrical loads . . . a battery with built-in *reserve power.* Your best bet is a DELCO, because more cars start with a DELCO BATTERY than with any other make!

*Always replace with a*

*DELCO . . . the Nation's No. 1 battery*




DELCO BATTERIES

A GENERAL MOTORS PRODUCT — A UNITED MOTORS LINE




# LETTERS TO THE EDITORS

### NETTER'S BRIDE

Sirs:

I've just discovered that this is the second appearance in LIFE of Mrs. Tony Trabert, the former Shauna Wood, whose wedding you covered in this week's issue ("Netter's Nuptials," LIFE, Nov. 9). While thumbing through a pile of old LIFEs I've been saving, I spotted her in a story on the Great Salt Lake of Utah (Aug. 30, 1948). There she was, age 17, demonstrating her buoyancy quite picturesquely (*below*).

JULIA MARCUS
New York, N.Y.



BUOYANT SHAUNA WOOD

### HOUSING RACE HATRED

Sirs:

. . . When 936 policemen have to be called out to protect any minority group in this country ("Night Watch," LIFE, Nov. 9), then we might as well hand it to the Hitlers and Stalins who would run it for us, if they could.

BRIAN T. SHEEHAN
Coral Gables, Fla.

Sirs:

It ought to go over big in Asia, also on Judgment Day.

JOHN M. CRONIN
New Rochelle, N.Y.

Sirs:

I wanted to crawl into a hole and pull the dirt in after me. These are Americans fighting Americans. . . . Who rose in defense of these Negroes besides the police? . . . Does it now take police action in the U.S. to control a mob? Where were the brave and who are the free?

CPL. GEORGE B. GALINKIN
Madigan Army Hospital
Tacoma, Wash.

Sirs:

Negroes have equal rights with the whites to employment, education, food, housing, religious freedom and justice under law. They do *not* have the right to abridge or destroy the fundamental rights of Americans who happen to be white. Negro "block-busting" sharply reduces property values in previously white neighborhoods. It has caused many white families to lose heavily of their life's savings. Morally, it is theft. The use of those 936 policemen was an act of force against the whites. . . .

DALE A. LETTS
Houston, Texas

Sirs:

I suggest that from now on all banner wavers, reformers, crusaders and authorities on racial equalities concentrate on New York, Detroit, St. Louis and Chicago. They seem to be in much worse shape than the South. We're doing pretty well down here—on our own.

CHARLES G. REYNOLDS
House of Representatives
Montgomery, Ala.

Sirs:

A good caption for the picture of the lady rioters would be this quotation from Sir Winston Churchill, published in the same issue: "Democracy, I say, is not based on violence or terrorism, but on reason, on fair play, on freedom, on respecting the rights of other people. . . ."

HARRY E. CHRISMAN
Liberal, Kan.

Sirs:

In the past four years we have studied intensively eight Negro-white public housing projects in six Eastern cities. The results show conclusively that once the projects are fully populated, Negroes and whites who live as adjoining neighbors tend to develop amiable relations. (It should be pointed out that most of these whites had never lived this close to Negroes before.) Stereotypes tend to drop away and genuinely friendly feelings develop even when the whites had been quite hostile at first. Our studies show that what is unfortunately happening at Trumbull Park is not typical.

DR. DANIEL M. WILNER
Research Center for Human Relations
New York University
New York, N.Y.

### HELL'S CANYON DAMS

Sirs:

Your pictures were spectacular and your facts straight ("The Issue: U.S. or Private Dams," LIFE, Nov. 9). The best dam coverage we have ever had.

STEVE EMERY
Baker, Ore.

Sirs:

Your article is very unbiased. I am a very biased person, so I would like to note that the government's estimate of $358 million is probably too low. The original government estimate in 1937 for the Colorado Big Thompson project was $44 million. Now nearing completion, its final estimate is over $150 million. At Hell's Canyon the private company plans three dams with two thirds the power, yet less than half the cost, of the government dam. My guess is that their final cost would be much closer to their estimate than the government's would. . . .

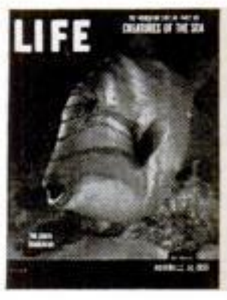
N. M. MARR JR., M.D.
Rochester, Minn.

Sirs:

I find one glaring error. Either by design or faulty research, you omitted the cost of transmission lines (reputedly $144 million) in setting the Hell's Canyon high dam cost estimate at

CONTINUED ON PAGE 6


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# The Precious Gift of Speech

One of the precious gifts of life is speech. From babyhood on, it is the bridge to understanding, friendship and love.

There was a day when the power of speech was limited by the range of the human voice. Now there are no barriers of time or distance.

You have but to speak into the telephone to be in touch with almost anyone, anywhere—quickly, easily and at low cost.

This month the number of telephones in the United States reached fifty million, or one for about every three people.

These telephones are operated by the Bell System and fifty-three hundred other telephone companies.

All play an essential part in the nation's service and they join together in commemorating this new milestone in telephone progress.

The big story is not in mere numbers but in what all these telephones mean to the country.

By the quick interchange of news and views, the telephone has united millions of people. By its many services for industry and the armed forces, it has become a front-line soldier in the army of defense. The lines of communication that help the nation to grow also bind it together to keep it strong.

*Commemorating*
THE 50 MILLIONTH
TELEPHONE

BELL TELEPHONE SYSTEM
AND FIFTY-THREE HUNDRED
OTHER TELEPHONE COMPANIES

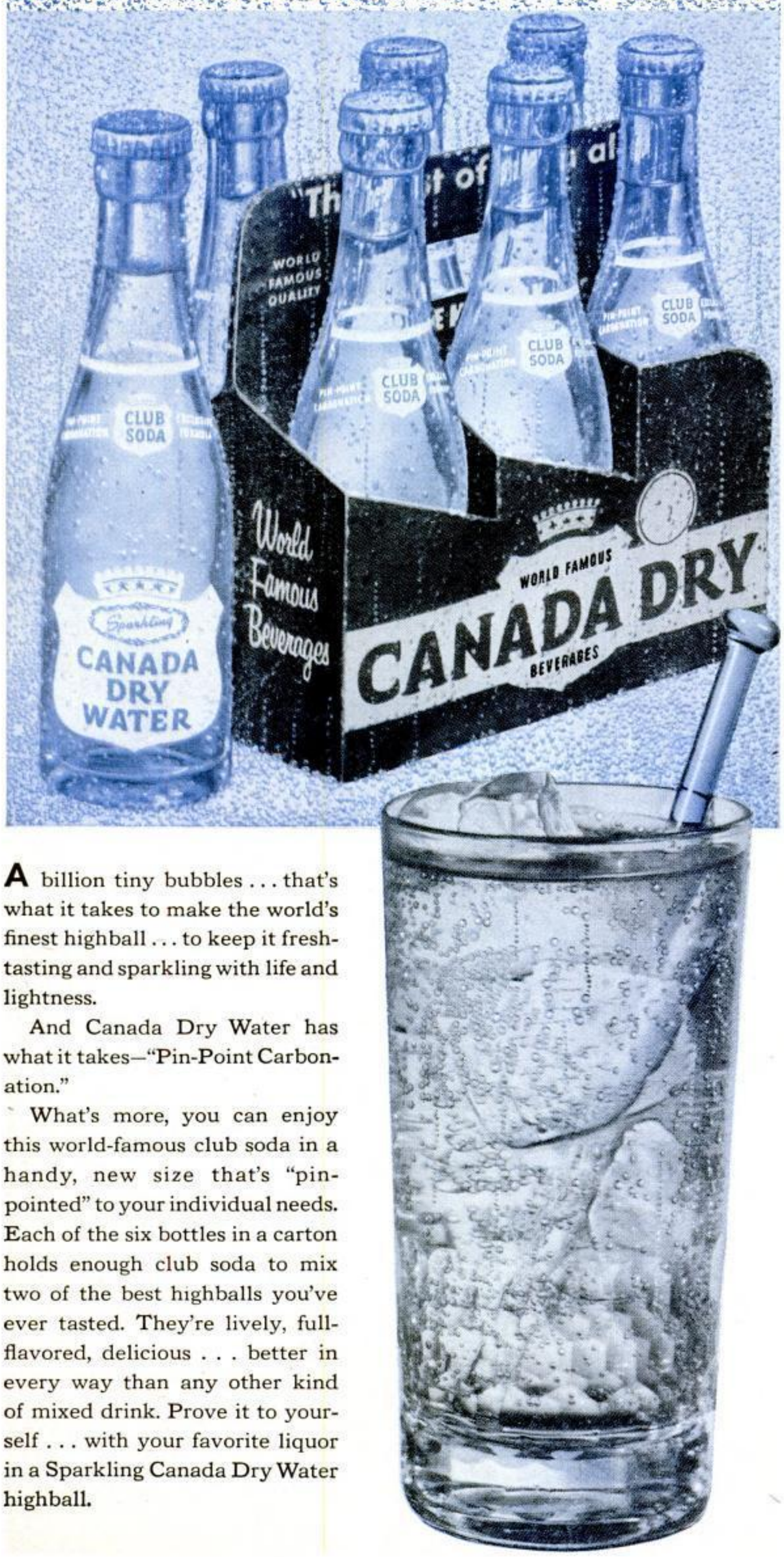


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THE SECRET OF A BILLION TINY BUBBLES!

# PIN-POINT CARBONATION

MAKES DRINKS TASTE BETTER




A billion tiny bubbles . . . that's what it takes to make the world's finest highball . . . to keep it fresh-tasting and sparkling with life and lightness.

And Canada Dry Water has what it takes—"Pin-Point Carbonation."

What's more, you can enjoy this world-famous club soda in a handy, new size that's "pin-pointed" to your individual needs. Each of the six bottles in a carton holds enough club soda to mix two of the best highballs you've ever tasted. They're lively, full-flavored, delicious . . . better in every way than any other kind of mixed drink. Prove it to yourself . . . with your favorite liquor in a Sparkling Canada Dry Water highball.




# LETTERS TO THE EDITORS

CONTINUED

$358 million. By comparison you estimated cost for the low private dams at $154 million, which does include transmission lines ($22 million). In effect, your published figures may lend powerful support to high dam advocates by making it seem far cheaper than it could be.

A. E. HORAN
Seattle, Wash.

● There is considerable difference of opinion over this item. It is true the Bureau of Reclamation says transmission lines needed to integrate the high dam in the Northwest Power Pool would bring total construction costs to $502 million. But many high dammers consider this figure far too high and LIFE used $358 million as a compromise figure for the total cost, including transmission lines.—ED.

Sirs:

You are leaving out an important point. You say the high dam would cost $358 million in public funds. Actually it wouldn't cost the "public" anything. The "public" would receive a reasonable return on its investment from a source as dependable as taxes: revenue from the sale of electricity. With a privately owned dam consumers would pay construction costs, utility rates and be paying the private company's profit, too.

P. M. DE LAUBENFELS
Corvallis, Ore.

## 3-D GLASSES

Sirs:

I find that Ward Kimball, the Walt Disney director whose amusing cartoons of 3-D glasses you ran in Speaking of Pictures (LIFE, Nov. 9), has neglected just one variety. Here (*below*) is a pair for "movies in general."

"BUZZ" ALLEN
Hamden, Conn.



## BENSON STRIKES BACK

Sirs:

Congratulations to you for allowing Mr. Benson to express such a clear and concise analysis ("Benson Strikes Back at Critics," LIFE, Nov. 9). It is refreshing and encouraging to see someone take such an intelligent attitude toward our problems.

STEVE S. LAWRENCE
Donelson, Tenn.

Sirs:

This man is trying to do a rough job. He is humble about it. He has not let pressure groups affect him. If people will give him a chance he will become one of the finest public servants this country has ever had. . . .

JOE FOY
Monticello, Utah

## CANADIAN FOOTBALL

Sirs:

"Odd-Looking Kind of Football" (LIFE, Nov. 9) pleased me no end.

CONTINUED ON PAGE 8





GIN AND Quinac

QUININE WATE



It took Quinac—Amer ica's favorite quinine water—to make Gin and-Tonic a year-round favorite. Quinac make Gin-and-Tonic taste better... lighte ...brisker...and so much *drier*. N doubt about it—Quinac is the big delicious reason more and more people are drinking Gin-and-Toni right through the year. Try it your self today. Canada Dry Quinac is a all-American quinine water devel oped specially for American tastes Premium quality, it is *not* premium priced. That's why it outsells al others by a whopping majority.

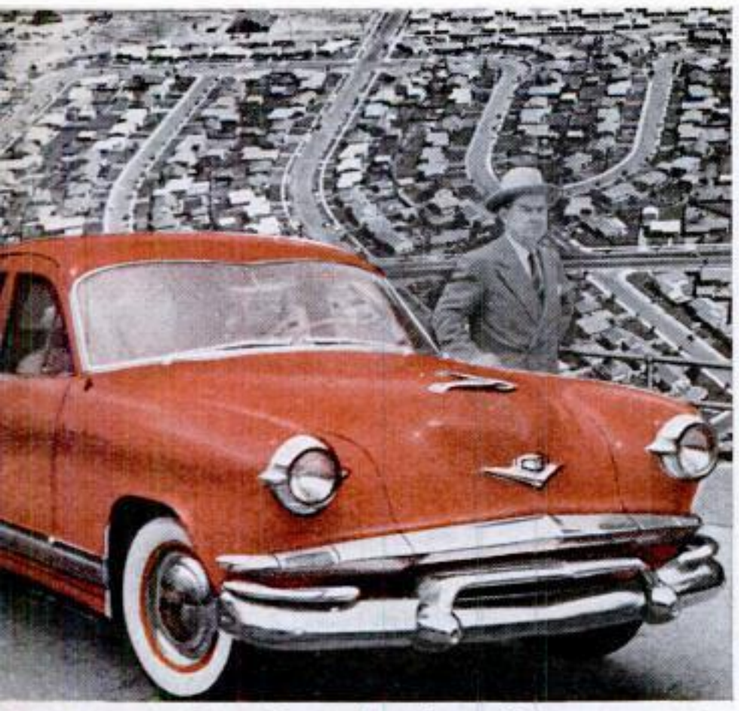
CANADA DRY
QUININE WATER

America's Favorite

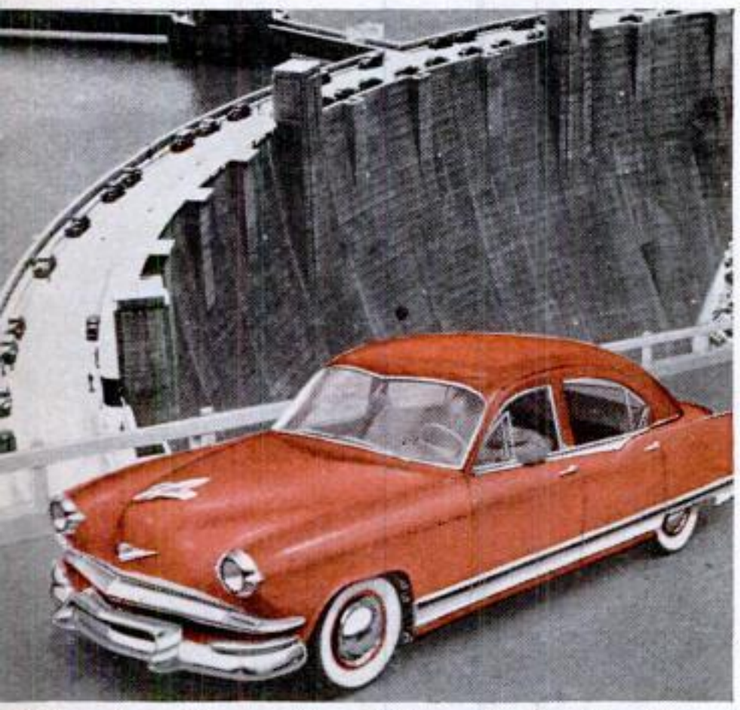



**Make Gin-and-Tonic in seconds, like this: 1½ ounces of gin in a tall glass. Plenty of ice. Fill with Quinac.**

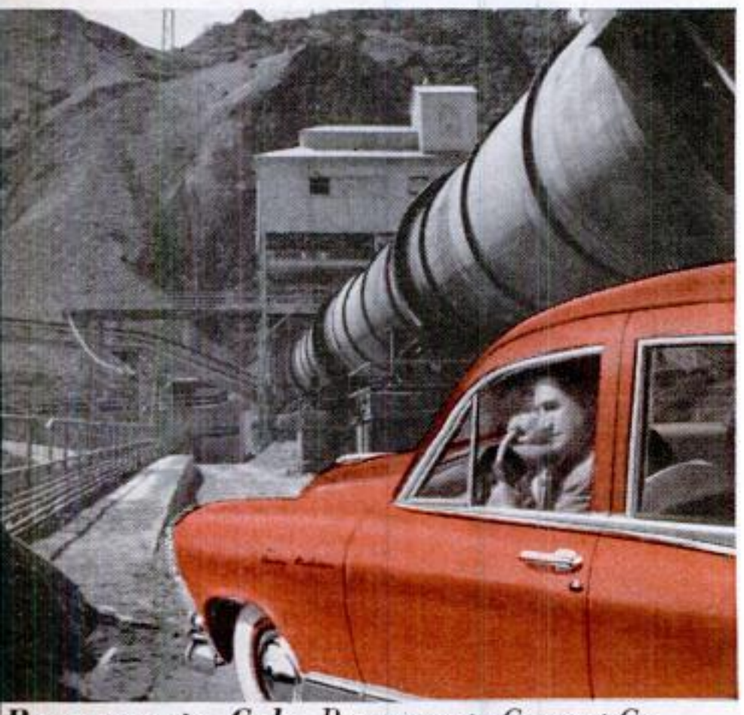

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***Panorama City, Los Angeles:*** *Kaiser Community Homes.* As comfortable as a space-planned Kaiser home, the Kaiser has more room than 3 of the most expensive sedans, more glass area than any. (Kaiser has built over 10,000 of these low-cost homes since '45.)



***Colorado:*** *Hoover Dam (formerly Boulder Dam)* Rugged as Hoover Dam...and just as beautiful, the Kaiser has given many owners over 100,000 miles of dependable service without major repairs. (Kaiser has built more great dams than any other builder in history.)



***Permanente, Cal.:*** *Permanente Cement Co.* Smooth as a Kaiser concrete highway, the Kaiser floats you along on the lowest center of gravity of any standard American sedan. (Kaiser has produced enough cement to build a two-lane highway around the globe.)

*Listen to Lowell Thomas daily, CBS network*

# *10,000 mile tour astonishes Lowell Thomas!*



***Real story behind the Kaiser car revealed in visits to Kaiser's industries coast to coast!***

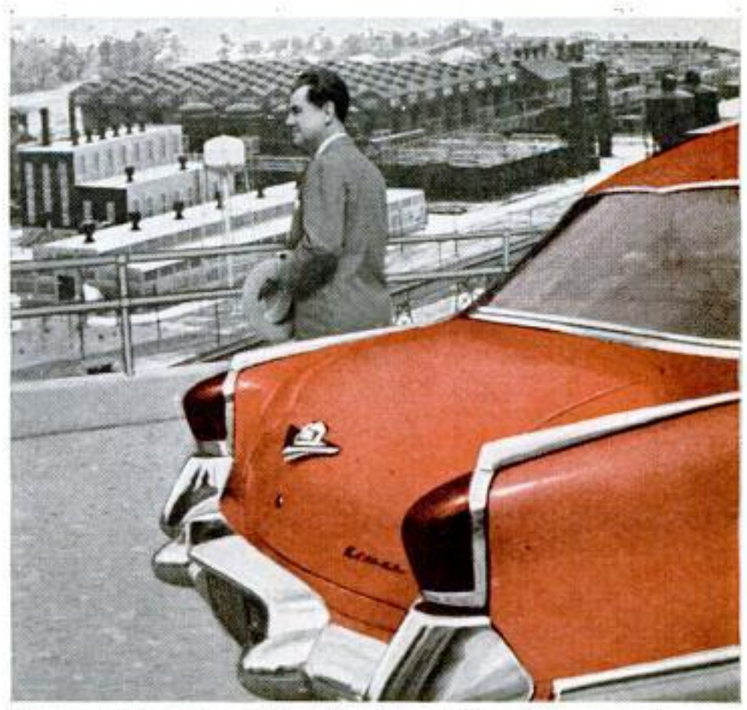
Veteran traveller Lowell Thomas never discovered the *value* in a Kaiser...until he actually drove one.

Nor had he any idea of the vastness and vitality of the Kaiser family of industries...until he visited some of its 98 fabulous modern plants...met some of its 75,000 skilled employees...saw some of Kaiser's billion-dollar-a-year production capacity in action.

Take a trip yourself...on this page...and see what Kaiser stands for...in automobiles...and in industry!



***Fontana, Cal.:*** *Kaiser Steel Corporation* As efficient as Kaiser Steel, the big, fast-stepping Kaiser averaged 28.8 miles a gallon in a recent test by Motor Trend magazine. (Kaiser's Steel Mill leads the nation in iron production per ton of coke.)



***Baton Rouge, La.:*** *Kaiser Aluminum and Chemical Corp.* As easy to handle as Kaiser aluminum, the Kaiser U-turns in up to 6½ feet less space than other cars its size. (Kaiser aluminum production last year exceeded the whole industry's annual pre-war production!)



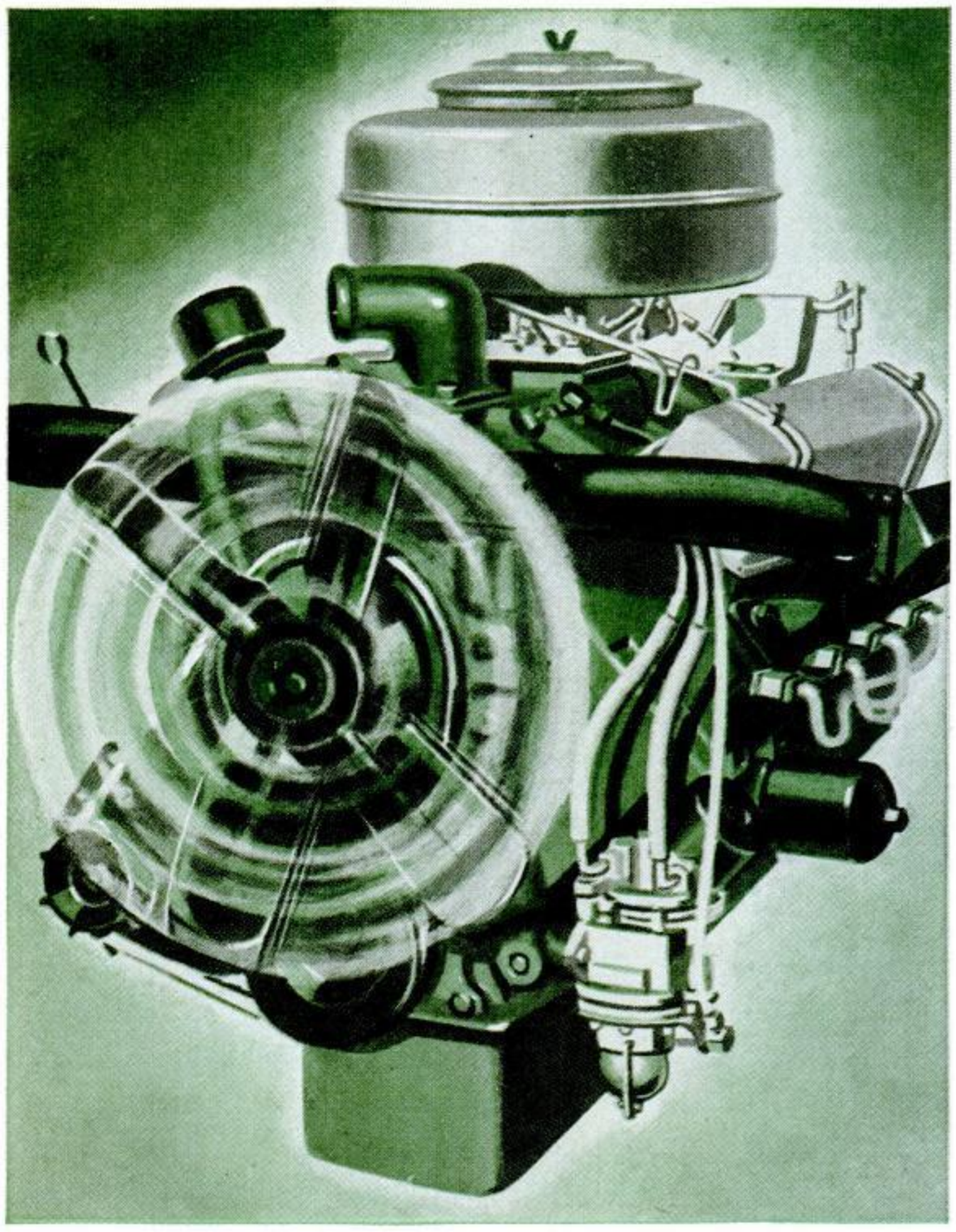
***Bristol, Pa.:*** *Kaiser Metal Products, Inc.* As lustrous as Kaiser's porcelain-covered metal products, the durable Kaiser body paint retains its brilliance for a "lifetime." (Kaiser Metal Products have the world's largest continuous-flow enamelling ovens.)

# Kaiser

***America's most beautiful car...winner of 14 international awards***



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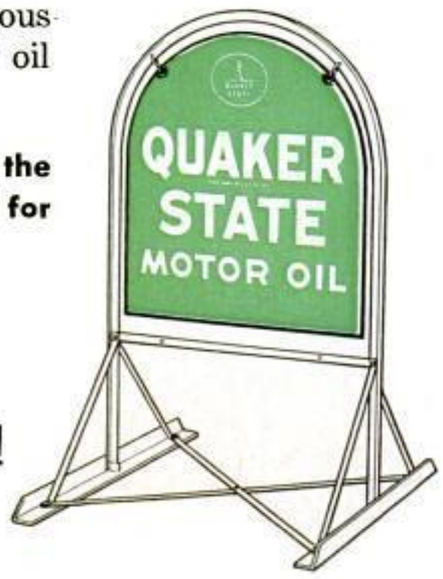
*At 40 m.p.h. a typical automobile engine*

# Makes 94,380 revolutions per hour

HIGH SPEED, high compression, high power! That's the direction of progress in automobile engines . . . and the reason why your car today needs oil that is specifically designed for today's engines.

Give your car complete protection, with Quaker State. This up-to-the-minute motor oil is refined from 100% Pure Pennsylvania Grade Crude Oil, and is the product of a half century of continuous development. It is the finest motor oil made in the world today.

**Quaker State Motor Oil is made to suit the requirements of all makes of cars and for every type of service. Ask your dealer.**




**Modern Engines Demand Quality Lubrication**

QUAKER STATE OIL REFINING CORPORATION, OIL CITY, PA.

*Member Pennsylvania Grade Crude Oil Association*



# LETTERS TO THE EDITORS

CONTINUED

However, it states Canadian football was altered to resemble American football. This may be true in later years, but originally American football was altered to resemble Canadian. In 1874 McGill University of Montreal was invited to play a soccer game at Harvard. During pregame warm-ups, it was noticed that McGill players were running the ball. The Harvard boys decided to play McGill's style. This was done and the teams tied 0-0.

IAN ANDERSON

**Hamilton, Ont.**



● U.S. football is considered to have begun with this game. After their historic meeting the two teams posed for a photographer (*above*) against a painted landscape.—ED.

## EDITORIAL

Sirs:

Mr. Aristede did not "invent" fur bow ties for men ("Lay Off, Aristede!" LIFE, Nov. 9). I have just returned from a two-year stay in Japan where mink bow ties (and even a few four-in-hands) have been in fashion for more than a year, particularly among the American set in Tokyo. I brought one back with me but haven't worked up enough courage to wear it yet.

LEE RUSHTON

Brooklyn, N.Y.

## SPERANZA TO COREY

Sirs:

Norma Speranza's story ("From Speranza to Corey," LIFE, Nov. 9) is just wonderful, except for one thing. Why did they change her name so drastically to Jill Corey? Is it a shame to be known for what she is, a sweet little Italian girl? Speranza means hope. It would have been a lot more natural to call her Norma Hope. Or Norma Sperri, or Norma Jeanera. All of us are plugging for her as she is, not as someone she isn't.

MRS. ROSA RISPOLI

New York, N.Y.

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**When you have a head cold** and lips get feverish and sore—'Chap Stick' soothes and smooths them fast. *Wonderful for cold sores, too.* 'Chap Stick' is different from all others—*it's the only antiseptic lip balm.*

Specially medicated. Colorless. Brings long-lasting relief to lips chapped, cracked and parched. Pocket-size, so carry it with you always—and—buy a personalized* 'Chap Stick' for everyone in the house.




ALL HANDS THAT WORK need
Chap-ans®
The hand cream made for men
Penetrating, extra soothing, antiseptic. Quick relief for chapped, cracked, work-sore hands.
*In generous man-sized tube. At druggists.*
CHAP STICK CO., LYNCHBURG, VA.




Always look for sur-v-lon when buying
Luggage, Personal Leather Goods, Handbags & Carrying Cases
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CAN'T SLEEP?
WHEN ACID INDIGESTION OR HEARTBURN KEEPS YOU AWAKE
GET FAST RELIEF WITH
TUMS




GUARANTEED TO CONTAIN NO SODA

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# Silent, accurate electric time plus glamorous, high-fashion colors for your bedroom!

## The Boudoir

**only $7.95***

**Manufacturer's recommended retail or Fair Trade price. Plus applicable taxes.*

General Electric Company, Small Appliance Division, Bridgeport 2, Connecticut.

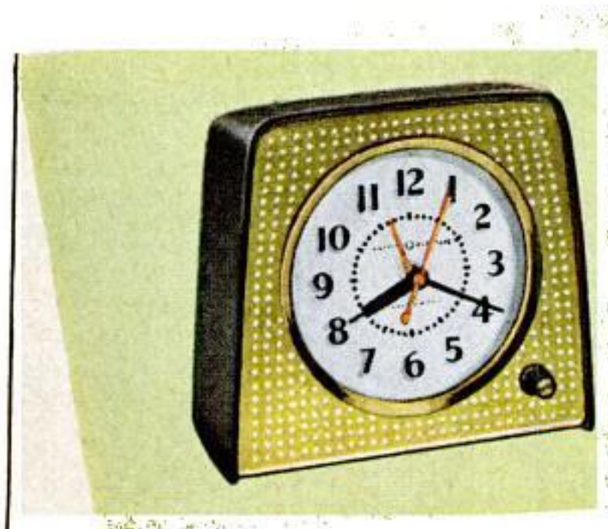
**The Boudoir** has a graceful, lacy bezel, and the case comes in antique white, carnation pink, willow green or coronation blue.

It's so gay. So honestly feminine. And so practical, too.

The hands and numerals are luminous. Sweep-second hand is red. Dark face. Crystal is shatterproof. The alarm? Genteel yet firm. The price? Little enough for so much glamour—$7.95.*

**Enjoy silent, accurate, "tickless" G-E electric time.**

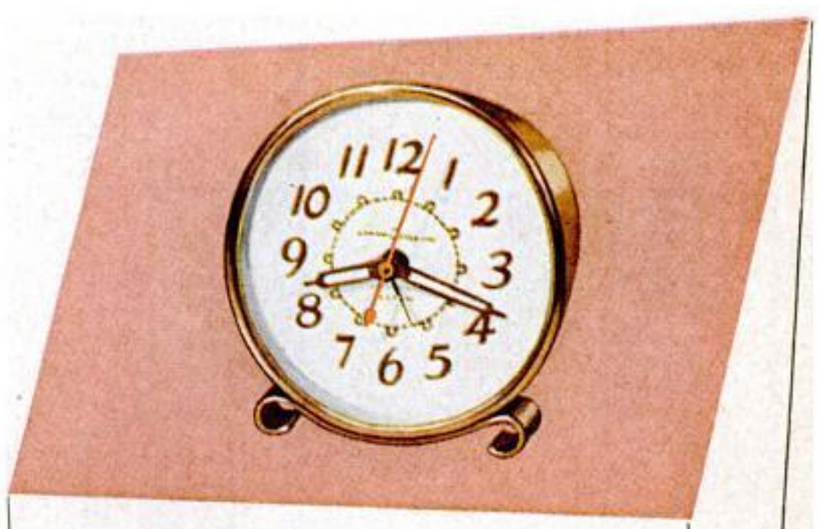
**GENERAL ELECTRIC**



**THE BRITE-DIAL.** A G-E first! New-type lighted dial—easier to read in the dark. Optically engineered for non-glare readability. Soft but compelling alarm. Ideal for TV or bedroom. Only **$9.98.***



**THE WINK.** G.E. took *House & Garden's* famous carnation pink and used it to re-style a popular-priced favorite in G-E Electric Alarm Clocks. Easy-to-read dial. Shatterproof crystal. Red sweep-second hand. Only **$5.50.***



**THE PARTNER.** An all-metal, gold-colored model. Alarm and luminous features make it suitable for the bedroom. Color, styling, and red sweep-second hand also "dress it up" for living room or den. Only **$7.98.***

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**A thrilling Christmas gift**—this modern chest in blond oak with its clean lines, polished finish, automatic tray. Model #2966. Also in Seafoam mahogany, #2979. Lane Table, #241. Chest price, **$59.95***

***$5.00 higher in the West due to higher freight costs—slightly higher in Canada.**

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LIVING ROOM

**Streamlined modern** in walnut with decorative borders of Paldao wood. Automatic tray. Model #2972—$59.95.* Table #336, also by Lane.



BEDROOM

**Authentic Colonial chest** in antique maple. Lane's self-lifting tray. Moisture-proof, Lane-welded veneers. Model #2260. Also in Salem Maple, #2851.—$69.95.*



BEDROOM

**Streamlined modern** in matched American walnut with ornamental touches of Paldao wood. Automatic tray. Model #2971—$49.95.*



LIVING ROOM

**Unusual modern** in blond oak with roomy drawer in base. Model #2852. Also in Seafoam mahogany, #2853; Cordovan mahogany, #2856. Each, $79.95.*



BEDROOM

**18th century Salem chest** in rich mahogany. Spacious drawer in base, simulated drawers above. Model #2365. Also in maple, #2366. Each, $79.95.*



DINING ROOM

**Handsome modern lowboy** in blond oak. Drawer in base. Model #2920. Also in Seafoam mahogany, #2929, and Cordovan mahogany, #2933. Each, $79.95.*

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So when it comes to planning the ideal gift for the girl you care for—your sweetheart, your wife, your mother, your daughter—give her a handsome Lane Cedar Chest. Say, "Merry Christmas" with the gift that says, "I love you!"




## Many Lane Chests at...

## $49.95* Easy terms

Lane is the ONLY pressure-tested, aroma-tight cedar chest. Made of ¾-inch red cedar in accordance with U. S. Government recommendations, with a moth-protection guarantee underwritten by one of the world's largest insurance companies, upon proper application. Helpful hints for storing are in each chest. The Lane Company, Inc., Dept. L, Altavista, Va. In Canada: Knechtels, Ltd., Hanover, Ontario.

**ALSO MAKERS OF LANE TABLES**



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**Striking modern** in blond oak with simple, charming lines. Automatic tray. Rubbed and polished finish. Model #2968. Also in walnut, #2995. Each $49.95.*



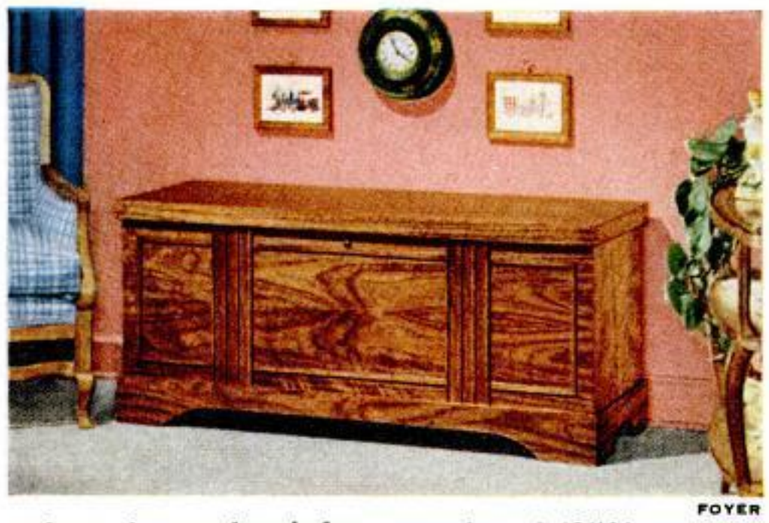
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**Handsome 18th century chest** in rich mahogany with Lane's convenient self-lifting tray for storing smaller things. Model #2601—$59.95.*



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**Arresting modern** in Seafoam mahogany. Drawer in base; self-lifting tray. Model #2925. Also in walnut, Model #2939. Each, $69.95.* Lane Table, #257.



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DINING ROOM

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LIVING ROOM

**Modern console** in blond oak. Interior drawer and adjustable shelves. Console models available in other styles and finishes. Model C-108—$99.95.*



LIVING ROOM

**18th century chest** in satin-finish mahogany. Full-length drawer in base, simulated drawers above. Model #2221—$79.95.*

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M-M-M-BOY!

WHAT A GIFT!

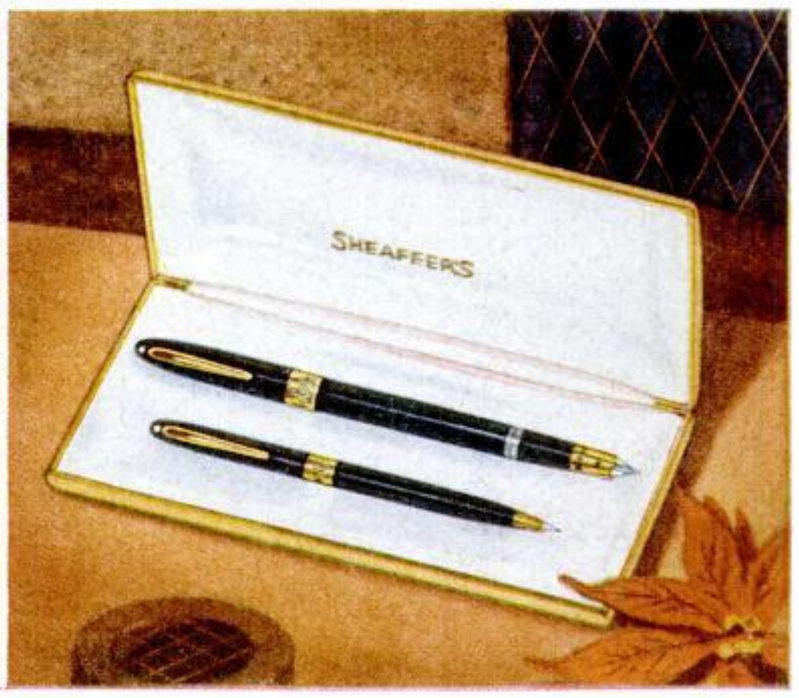
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Crest Ensemble $34.00
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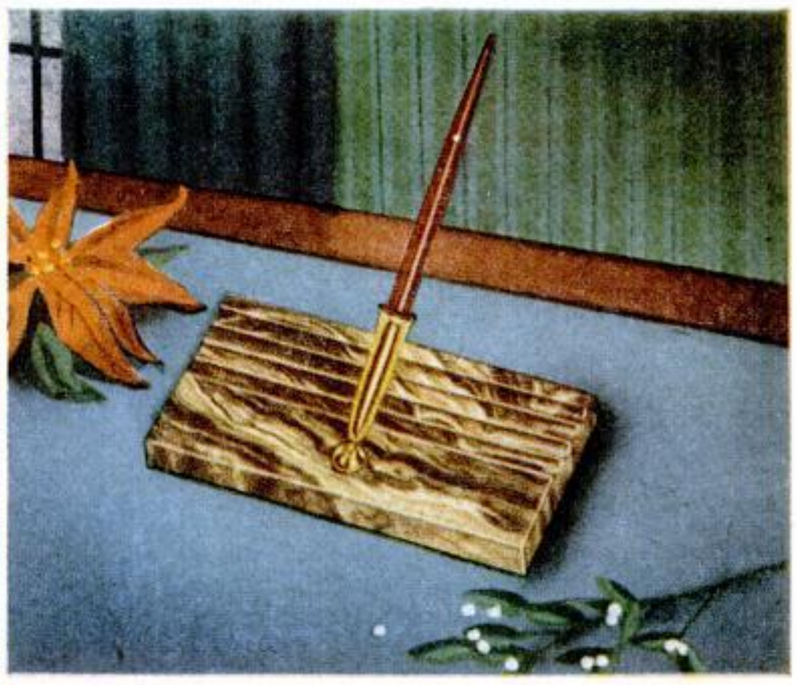

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World's ONLY clean-filling pen

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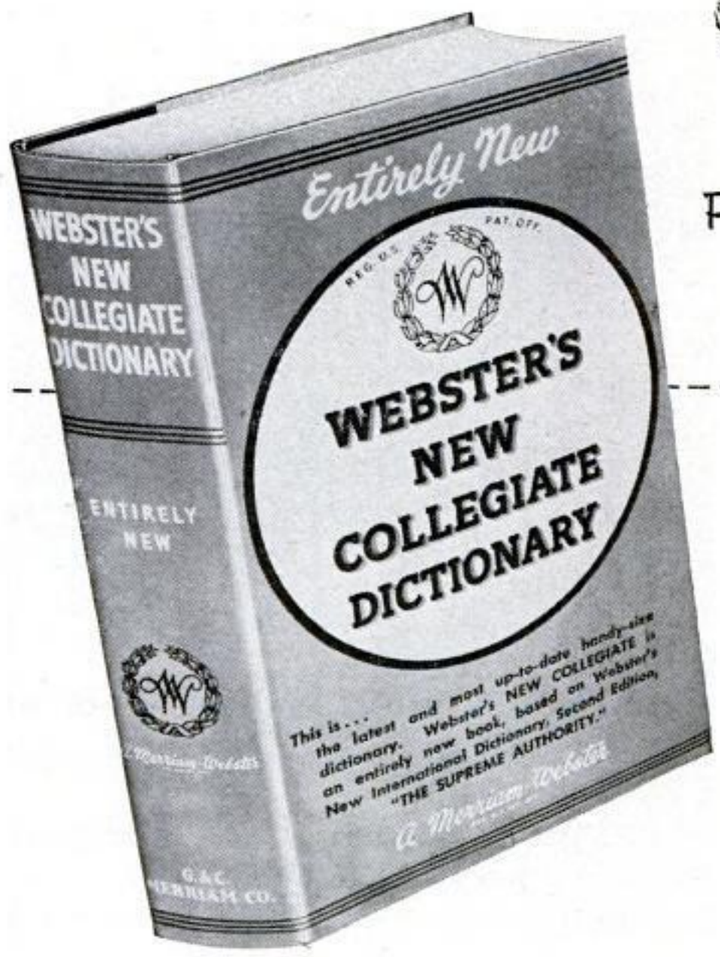
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# Magnavox Chromatic TV

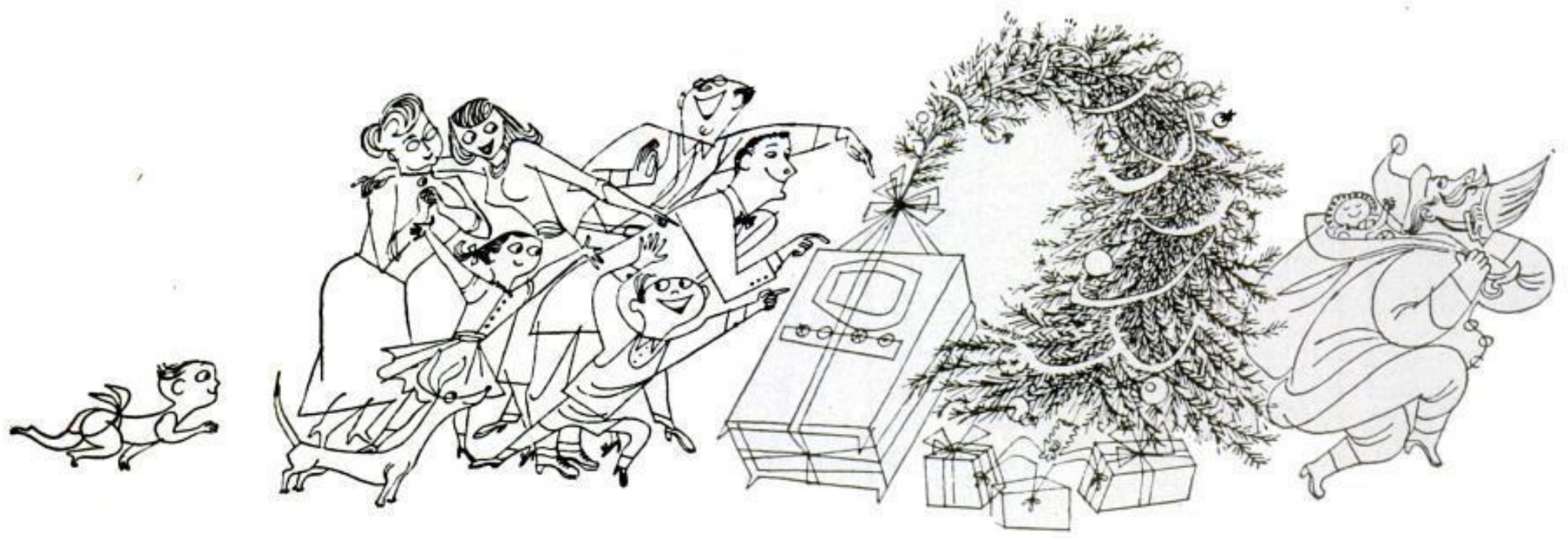
## the magnificent gift for all the family



The most *wonderful gift* you can give is a Magnavox Chromatic Television—acclaimed by *those who know pictures* as America's finest TV—a distinction that has prevailed in radio for thirty-five years.

Wherever pictures can be received Magnavox will reproduce them better than any other TV. Unlike the drab harshness of ordinary television, the miracle of Magnavox Chromatic Television brings you warm, lively, deep-toned pictures with the intimate realism created by the glorious tone of high-fidelity sound for which Magnavox is famous.

And a Magnavox will cost *you* less—because our "direct-to-dealer" selling costs less. A wide range of furniture styles and tube sizes—17″, 21″, 24″, 27″ from which you can choose. Compare with any other make and you will buy a Magnificent Magnavox. Your classified phone book lists your nearest Magnavox dealer. The Magnavox Company, Fort Wayne, Indiana.



### It's the many engineering features—not gimmicks—that give Magnavox its superiority

**Super power**—up to 20 KV picture power, 20 watts sound power provides high-fidelity in picture and sound reproduction.

**Chromatic Optical Filter** that softens glaring electron beams and brings pleasingly clear pictures without eye-strain in a light or dark room.

**Reflection barrier** that eliminates annoying glare and distracting roomlight reflections.

**Magnavox VHF tuner** that brings in clear pictures at a flip of the station selector—Magnavox UHF all-channel tuner makes program selection a pleasure instead of a chore.

**Magnavox high-fidelity speakers,** up to four in some models, faithfully reproduce *all* the sound.

**Magnavox circuitry** that gives you quality, dependability and Rock of Gibraltar stability.




**THE PLAYFELLOW 255.** **You will believe in miracles when you listen to the thrilling high-fidelity music of this compact, two speaker** phonograph with three-speed changer and exclusive Pianissimo Pick-up, only **$99.50.**



**THE METROPOLITAN 17.** Where space is a factor, this most compact table Magnavox television is for you. Available in your choice of three colors (with UHF $229.50) only **$198.50.**



**THE ENVOY 21.** All wood cabinet in hand-rubbed dark or blonde mahogany finish, with performance features of larger, more expensive models. A truly fine television instrument (with UHF $279.50) priced at only **$249.50.**



**THE HOLIDAY 21.** Has a powerful chassis with twice the audio power of other television makes, plus a 12-inch Magnavox high-fidelity speaker. Distinctive style; dark or blonde mahogany finish, the price is only **$298.50.**



**THE EMPIRE 21.** Beautiful traditional furniture combined with Chromatic television and high-fidelity sound will bring you an entirely new concept of TV entertainment. In hand-rubbed-genuine-mahogany, only **$359.50.**



**THE COSMOPOLITAN 21.** One of seve full door authentic furniture styles that v be a focal point of decor in your home. beautiful white oak, $398.50 or genui hand-rubbed mahogany at just **$379.5**



*THE TRADITIONAL 27. Big 27-inch screen. Mahogany cabinet in authentic 18th Century styling.*

## Those who know pictures best choose Magnavox television



**Hal Wallis,** famous motion picture producer, says, "The warm color-tone of the Chromatic Filter in my Magnavox provides the finest TV picture I have ever seen."



**Cecil B. deMille,** famous motion picture producer and director, says, "Part of my job is to evaluate picture quality . . . watching my Magnavox TV is one of the joys of life."



**Mervyn LeRoy,** famous MGM producer and director, says, "I have become conscious of tonal values in pictures. This explains the pleasure I find in the warm color-tone of my Magnavox TV."

**BETTER SIGHT . . . BETTER SOUND . . . BETTER BUY**

the magnificent **Magnavox**

television - radio - phonograph

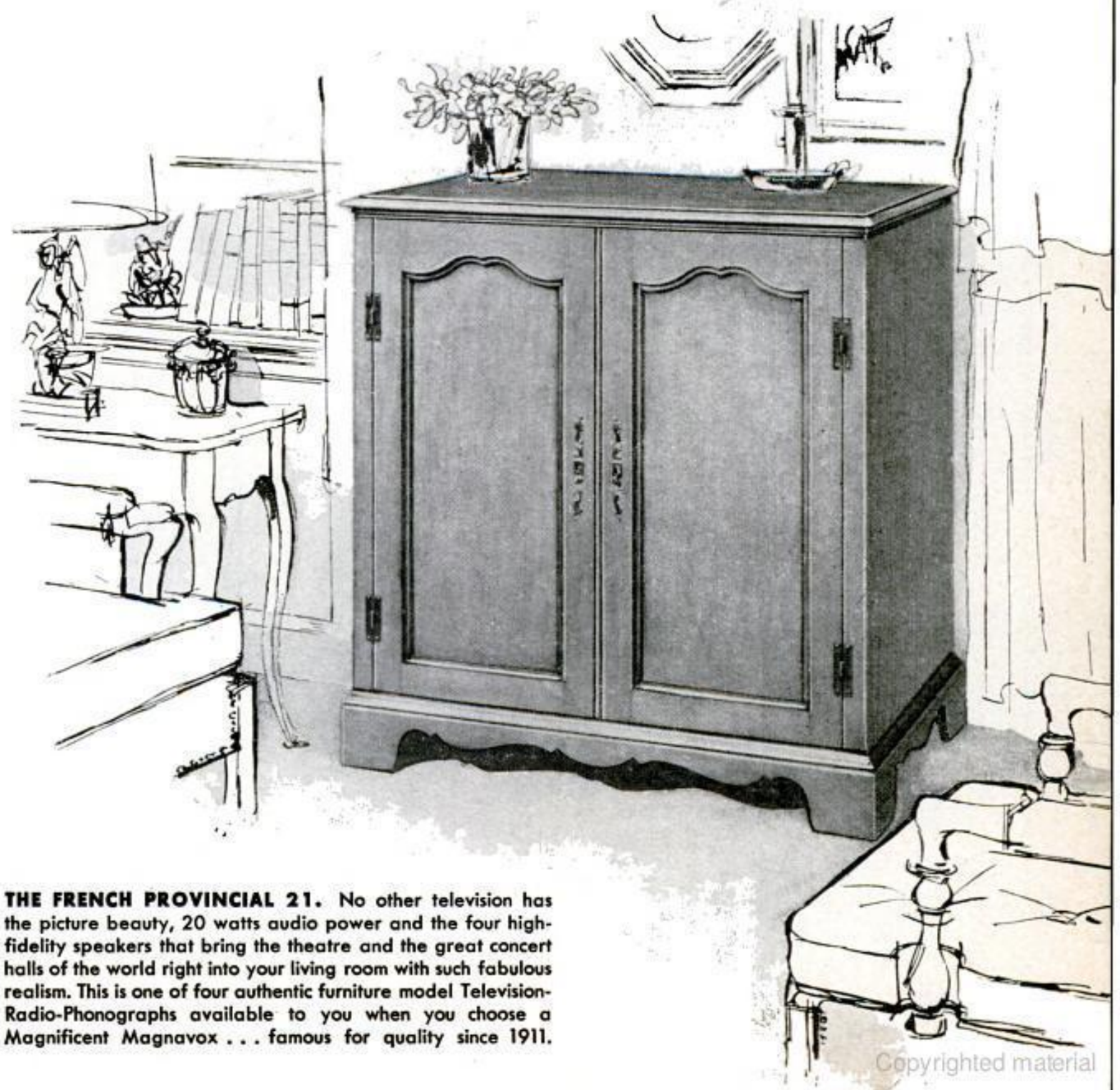
*Prices include Federal Excise Tax and are subject to change without notice. Slightly higher west of Rockies.*



**THE HOLIDAY 24.** For thrilling, really *big* picture television, the Holiday features the newest of picture tubes—24-inch. 20 KV picture power and ten watts sound power. In beautiful hand-rubbed mahogany finish, **$398.50.**



**THE PROVINCIAL 24.** The most powerful TV chassis ever developed, the Provincial provides for optimum performance with its great new 24-inch aluminized picture tube and the two high-fidelity speakers. In genuine cherry, **$495.00.**



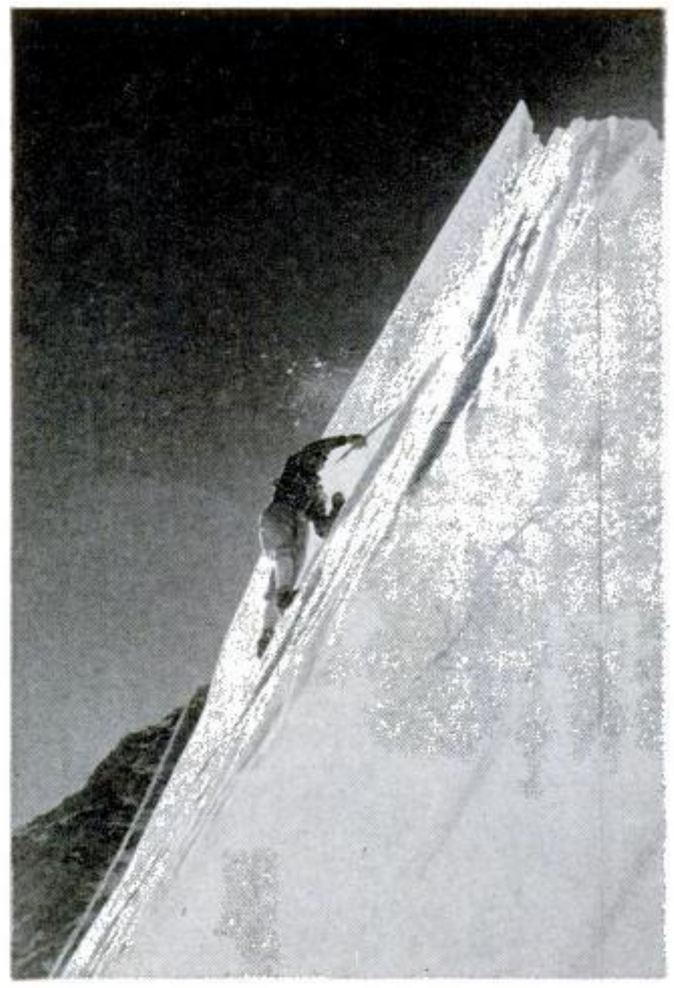
**THE FRENCH PROVINCIAL 21.** No other television has the picture beauty, 20 watts audio power and the four high-fidelity speakers that bring the theatre and the great concert halls of the world right into your living room with such fabulous realism. This is one of four authentic furniture model Television-Radio-Phonographs available to you when you choose a Magnificent Magnavox . . . famous for quality since 1911.

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**CUTTING STEPS** in the ice with pick, Rebuffat demonstrates way to climb a nearly vertical wall.

# SPEAKING OF PICTURES

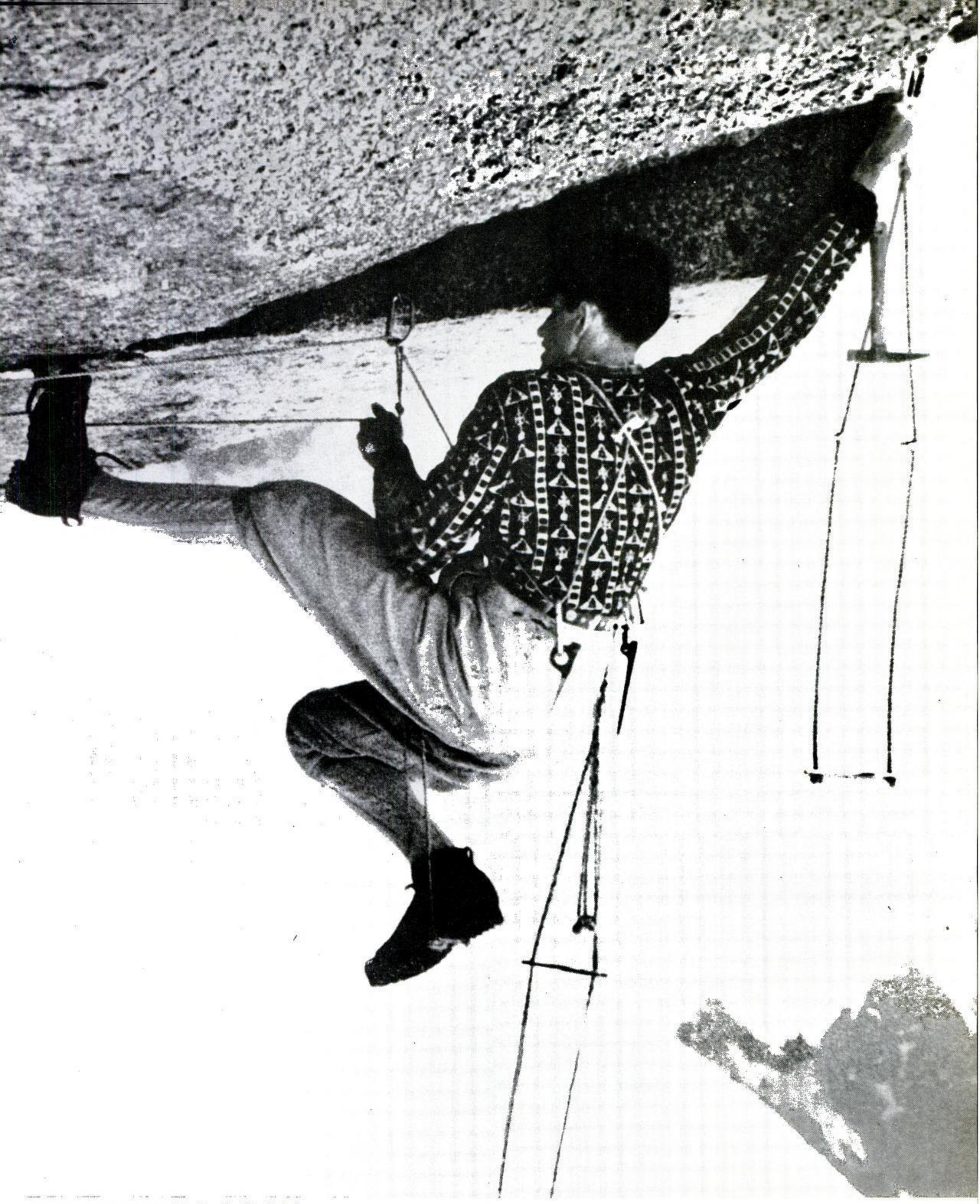
## A famous French guide exhibits some topsy-turvy mountaineering

Mountain Climber Gaston Rebuffat has been on some of the biggest of climbing expeditions, including the 1950 ascent of Annapurna. But what has gained him the reputation—among many Alpinists—of being Europe's best guide is his ability to inspire confidence in the people he guides. He is a zealous missionary, bringing people to understand and appreciate the difficulty and beauty of mountain climbing. To demonstrate some aspects of mountaineering he climbed several of the most trying obstacles in the French Alps so that Alpinist-Photographer Jean-Jacques Languepin could take the pictures on these pages and also shoot scenes for a movie—which won a first prize at the Venice International Film Festival this year. The most spectacular of the pictures show Rebuffat making his way across the underside of a horizontal overhang 10,000 feet up. Rebuffat drove soft-steel nails into the rock, then strung light nylon line through the looped ends. Moving from nail to nail, he spent two hours advancing 15 feet. Languepin says the technique is not dangerous unless your ears deceive you. "You can tell if the nail will hold," he says, "by the sound the hammer makes against it."

**NEGOTIATING THE UNDERSIDE** of a rock overhang, Rebuffat hammers soft-steel nails called *pitons* into a seam, then swings himself into position so that he can loop his line and continue on.



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**COMPLETING PASSAGE** of underside, Rebuffat braces his left foot against one of the nails and the other in wood and rope stirrup as he prepares to swing himself up and over the edge of the overhang.



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* SELF-WINDING

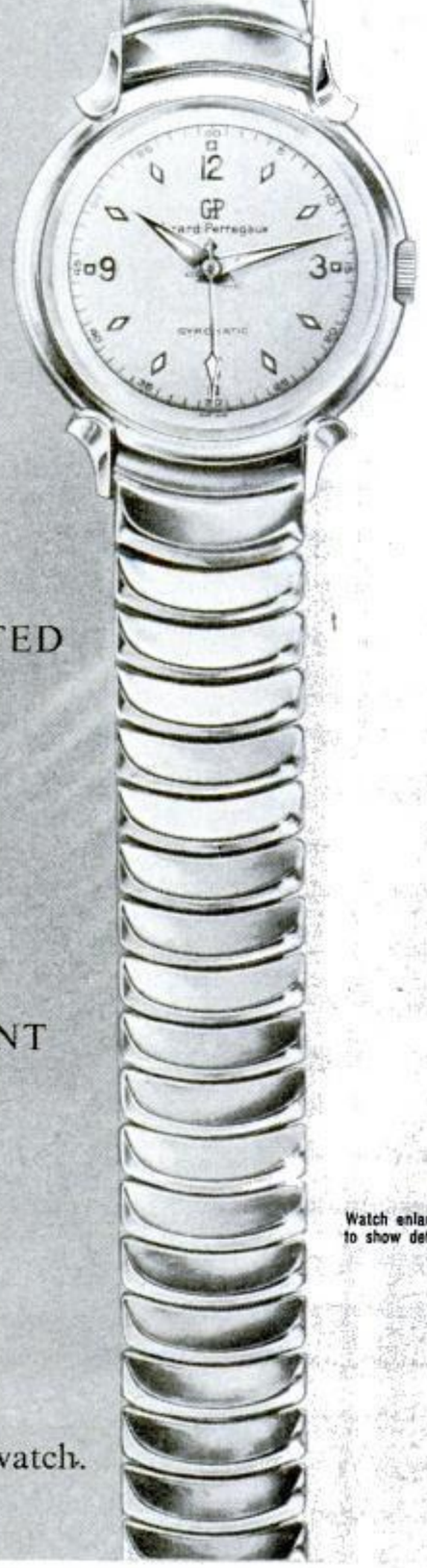


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**ON TOP OF** pinnacle of the 10,227-foot Aiguille de Roc in the French Alps, which abounds in 85° slopes of ice and rock, Rebuffat happily waves his hat.

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# Is there a baby in the house ?



Look there,
there by the door,
there where a shoe and a crumpled sock, and a bright red block, and a short fat elephant clutter the floor,
and the signs are clear...
A baby is near.



Look there,
there by the stair,
by the cellar stair to the washing machine, there's a stack of diapers that ought to be clean and a clutter of strange looking things to wear,
and the signs are clear...
A baby lives here.



Look there,
there by the table,
there where the milk drips down in a puddle, and fruit and cereal mix in a muddle, and a soiled bib swings from a silver cable,
all signs that are clear...
A baby eats here.



Look there,
there in the bed,
there where a red-faced cherub lies, thumb in his mouth, and tight-shut eyes, and his bottom higher than his head.
Quiet, quiet, it's perfectly clear...
A baby sleeps here.




Look there,
look in the eyes,
and look in the hearts
of those who watch while a baby sleeps,
who will come at a call if he wakes and weeps,
who forget the diapers and broken toys,
who remember the tears and fears and joys
and the catch in the throat, and the heart's clutch
when small hands fumble, and reach, and touch—
Yes, look in their hearts, and the signs are clear...
A baby lives here.

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A thrilling new screen size . . . thrilling new picture realism. Philco 24-inch television gives you a 335 square inch picture . . . in no more room space than many 21-inch sets. Available in striking new console designs.



**PHILCO 6002** – new 24-inch table model in mahogany veneer cabinet. Famous Golden Grid chassis. Available with matching base for full console luxury.

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# *advance since the miracle of television!*

## PHILCO® HF-200

WITH

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**New brilliance, new clarity, new detail...for the greatest television picture ever achieved!**

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Here is thrilling new realism never before approached on a television screen. Now you can enjoy not just part of the picture, but all of the picture, closeup and background, in pinpoint detail.

This sensational new deep dimension picture is powered by the revolutionary new HF-200 High Fidelity chassis, which adds new miles to your reception, new depth of detail to your picture.

Now, more than ever before, is the time to trade in your small screen set . . . not just for a larger screen, but for the greatest advance in a television picture ever achieved.

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★ ★ ★

Philco Factory-Supervised Service, industry's largest organization of factory-supervised TV specialists... available through your Philco dealer. And remember, Philco Replacement Tubes improve the performance of *any* television or radio receiver.



**NOT JUST PART OF THE PICTURE**



**BUT ALL OF THE PICTURE**
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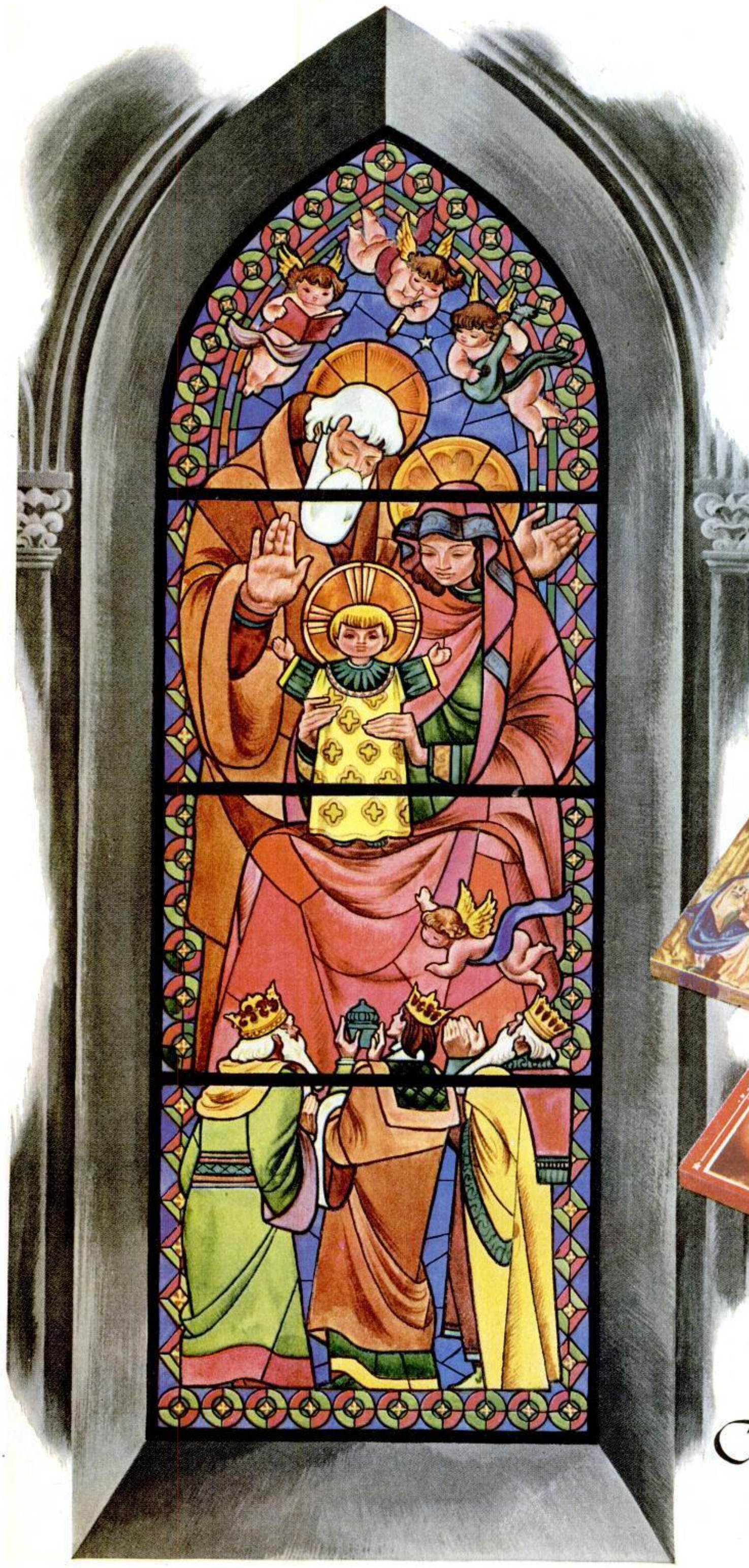
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Vol. 35, No. 22

# LIFE

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November 30, 1953

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VISHNIAC WITH PLANKTON NET, FREUND AT PAINTING, GORO UNDERWATER OFF BIMINI

# FRESH SALT WATER AND A NEUROTIC OCTOPUS

There are a lot of fish in the sea, and two years ago when LIFE started work on "Creatures of the Sea" (*pp. 78–108*) we were a long way from understanding the difficulties we'd encounter getting some of them to sit still for illustrations.

For the paintings on pages 84 through 89 Artist Rudolph Freund went to the famous marine laboratories at Woods Hole, Mass., where he collected 50 living specimens in tanks and sloshed back home to Connecticut with them in his station wagon. To keep them alive while he was making the drawings, he had to go to the coast every three or four days to collect fresh salt water in 10-gallon milk cans to replenish the tanks.

Dr. Roman Vishniac's assignment was to take photomicrographs of the ocean's basic food source, plankton. Because plankton can best be collected after dark near the surface, Vishniac, over a period of five months, spent night after night in a yawing open boat collecting for these minuscule organisms. Then, before the plankton could die, he made hastily for shore and photographed them under his microscope.

Fritz Goro, who took the cover photograph and worked both under and above the water in such widely separated places as Australia and the Bahamas, had most of his trouble with the white octopus shown on pages 102 and 103, which he photographed in a laboratory in Bimini. Every time Goro's flash equipment went off, the three-foot creature would huddle at the corner of its tank and turn first red and then green. One night the neurotic octopus escaped through a slit one quarter of an inch wide in the cover of the tank. Goro found it squirming around on the floor of the laboratory and relievedly returned it to the ocean.

Photographer J. R. Eyerman wasn't on the scene when the pictures on page 82 were made. His task was to construct a photographic device with a special camera, film and wiring. This he installed in the deep-diving Benthoscope which Inventor Otis Barton took 3,600 feet beneath the surface of the ocean. From there, using Eyerman's apparatus and following his instructions, Barton got the deepest underwater portraits of fish ever taken without remote-control equipment.

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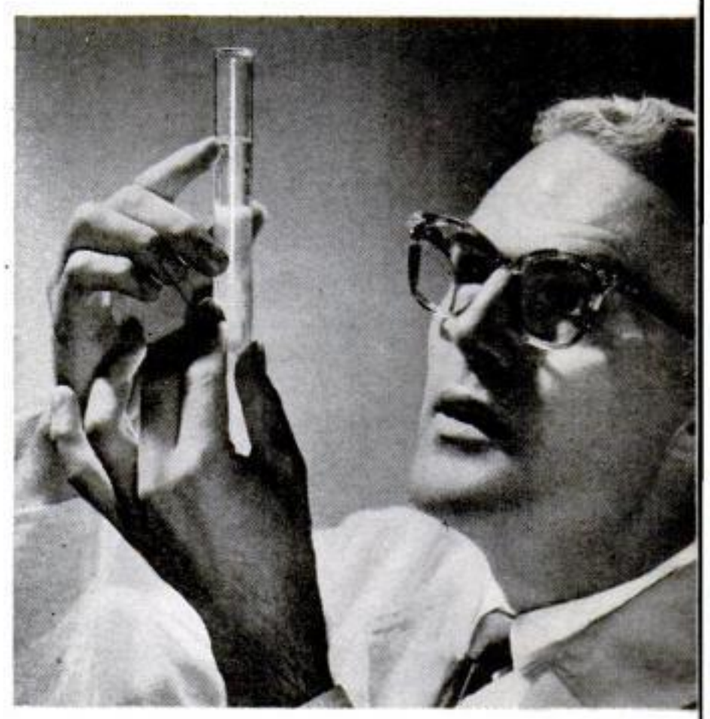
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LIFE

Vol. 35, No. 22

Nov. 30, 1953

IN A UNIFORM MATCHING HIS ADOPTED FATHER'S, LEE KYUNG SOO LEADS WAY FOR CHIEF BOATSWAIN'S MATE PALADINO AND NEWSMEN AT ALAMEDA BASE

# A NEW AMERICAN COMES 'HOME'

Of all the homeless Korean youngsters who last year hung around U.S. Navy mess halls in Inchon, begging and fighting for bits of food, Lee Kyung Soo was the smallest, the loneliest, the one most easily pushed aside by the others. Except for Chief Boatswain's Mate Vincent Paladino, Lee might have been unnoticed as well. One day, in November 1952, Paladino scooped Lee up, took him to the enlisted men's club, made a bed with slats to keep Lee from falling out during his frequent nightmares, and set about to track down the boy's family. His search yielded a familiar answer: there was no family any more. Then it dawned on Paladino that he, a man of 35—13 years in the Navy and at least seven more to go and a bachelor at that—had become Lee's family. Mornings Paladino took Lee to a Korean kindergarten. Afternoons at a servicemen's theater Lee saw American movies. Lee cried less and less, even learned to smile easily.

Three months ago Paladino was ordered stateside. Unwilling to leave Lee, Paladino adopted him, only to be stopped at Hawaii until red tape got untangled. Last week, a transport landed at Alameda, Calif. Out of it swaggered a new American, Lee Kyung Soo, 4½ years old as best anyone can tell, followed by the man he calls "*abujee*" which is Korean for "father."

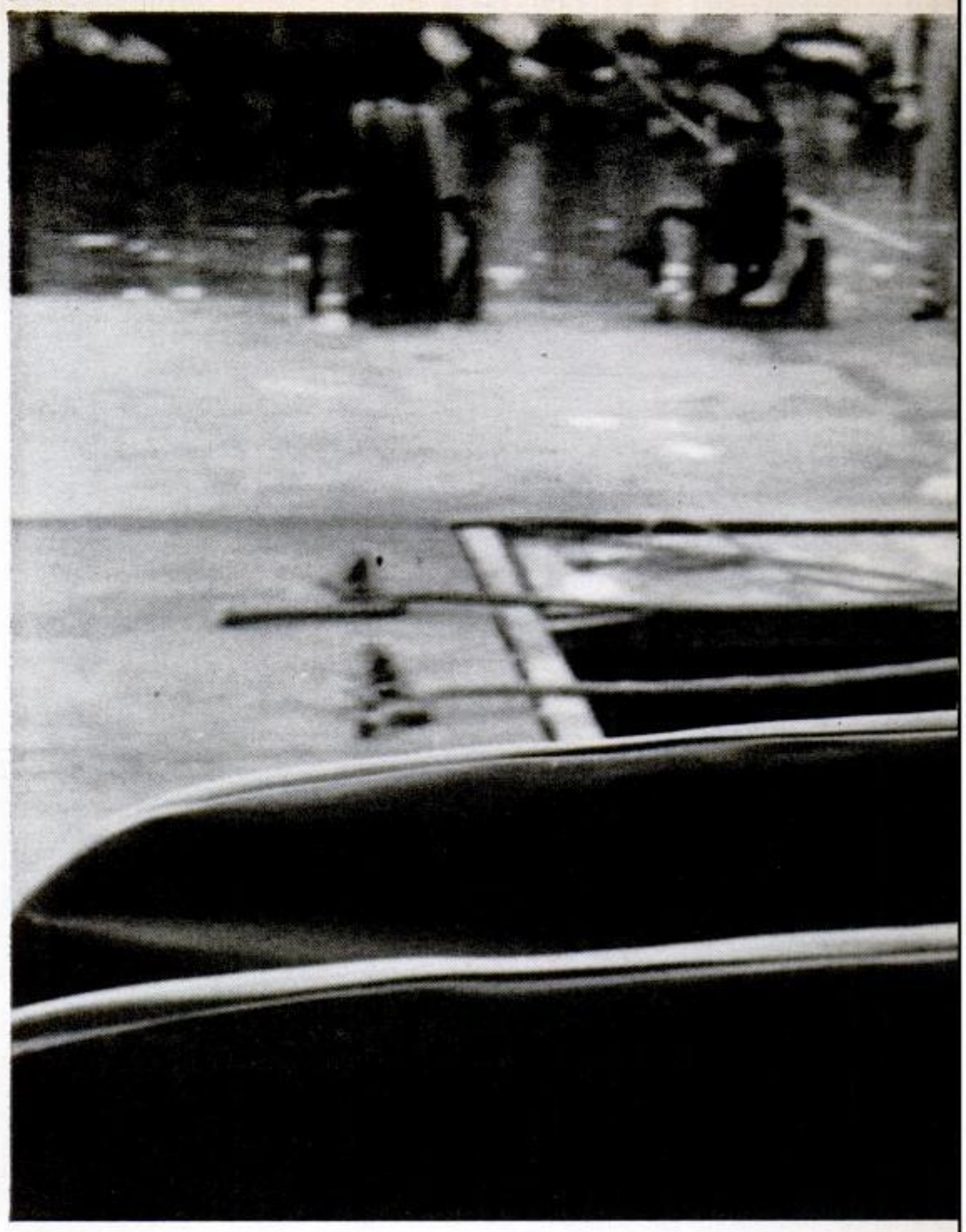
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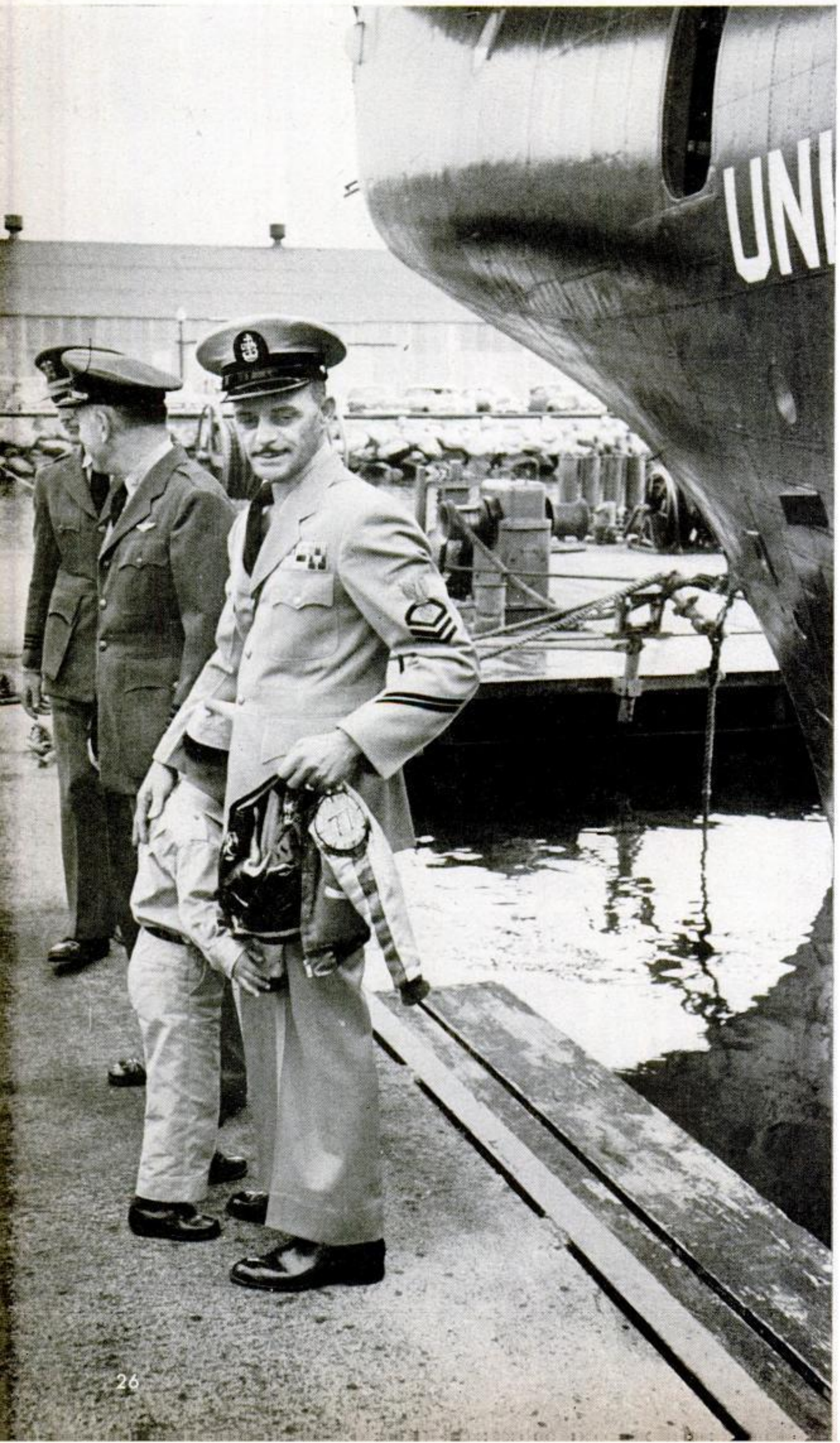
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AT INCHON, ALMOST A YEAR AGO, PALADINO COMFORTS UNHAPPY LEE



AT ALAMEDA, AFTER HIS ARRIVAL, LEE IS OVERTAKEN BRIEFLY BY SHYNESS



# FIRST HOURS ASHORE GO EASILY

The dark hollows that ringed Paladino's eyes in Alameda were evidence of the strain he had gone through to get the boy into the U.S. But except for a brief retreat into the folds of his adopted father's blouse (*left*), Lee managed his first hours in the U.S. with disarming aplomb. He saluted, smiled, waved, hugged and mugged. A press conference was set up, and Lee was ready. He had learned English from the movies he had seen and from Paladino's mates, who had made certain Lee learned only the right words from them. The reporters asked him, "Do you want to be a cowboy?" and Lee knew the right answer. "Now that you're in America," they asked, "what do you want most?" and he replied, "Caps for my pistol." When Paladino essayed a few words in Korean, Lee chortled at his feeble effort, reached over and tweaked the chief's nose.

On a shopping expedition next day, Lee got another taste of the friendliness of his new country. A lady watched him for a moment, approached and asked, "Are you the little Korean boy I read about?" Lee turned to the lady and gravely replied, "Yes, sir." Then he made ready for a trip to *abujee's* family home in New Rochelle, N.Y., where he will come into a ready-made family of 32 grandparents, uncles, aunts and cousins.

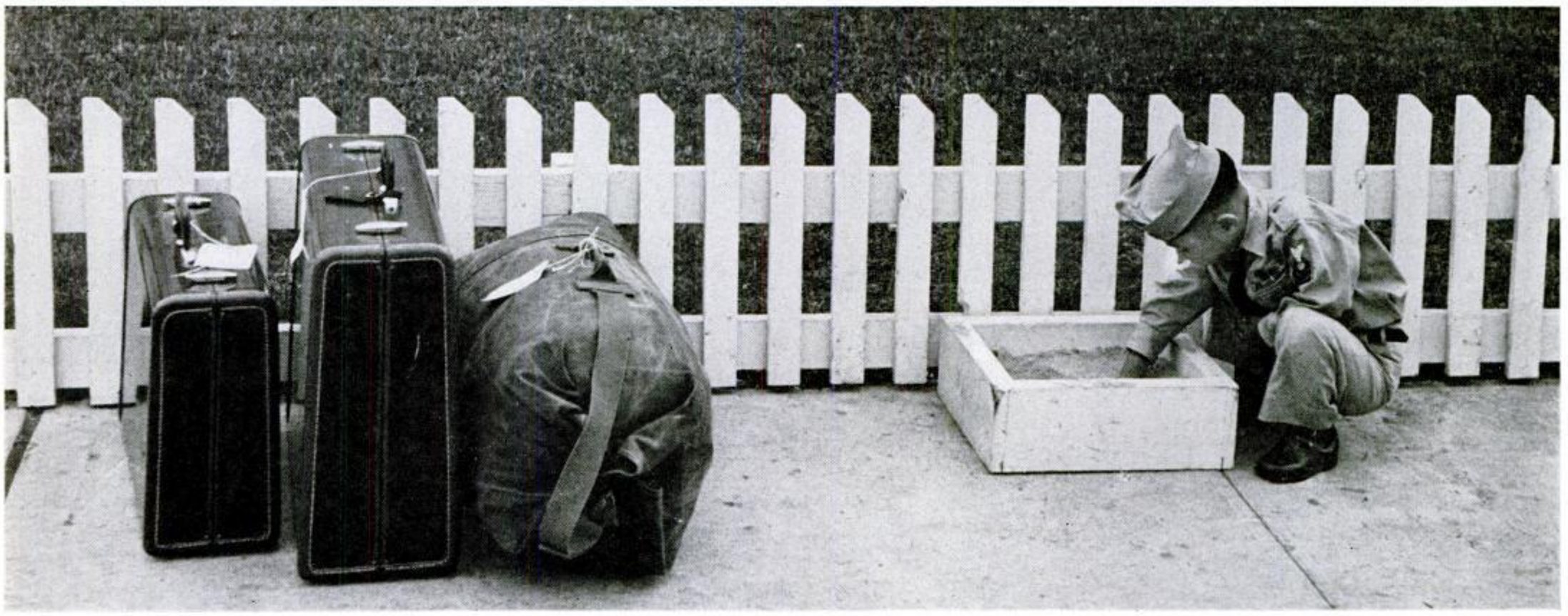


TO PLEASE HIS WELCOMERS, LEE POLITELY MUNCHES AN ICE CREAM CONE



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ALMOST HIDDEN BY RAMP LEADING FROM TRANSPORT PLANE WHICH BROUGHT HIM, LEE WALKS CONFIDENTLY ASHORE TO THE NEW LIFE WHICH AWAITS HIM



PLAYING IN A CIGARET BUTT BOX, LEE MOLDS SAND AND EXPLAINS, "I'M DIGGING A HOUSE—A BIG HOUSE." THEN HE BURNED HIMSELF ON A LIGHTED BUTT





"TOO COLD, TOO COLD," HE COMPLAINED, BUT MANFULLY HE DOWNS CONE—ALL EXCEPT THE VERY TIP WHICH BECOMES A TELESCOPE TO EXAMINE HOSTS

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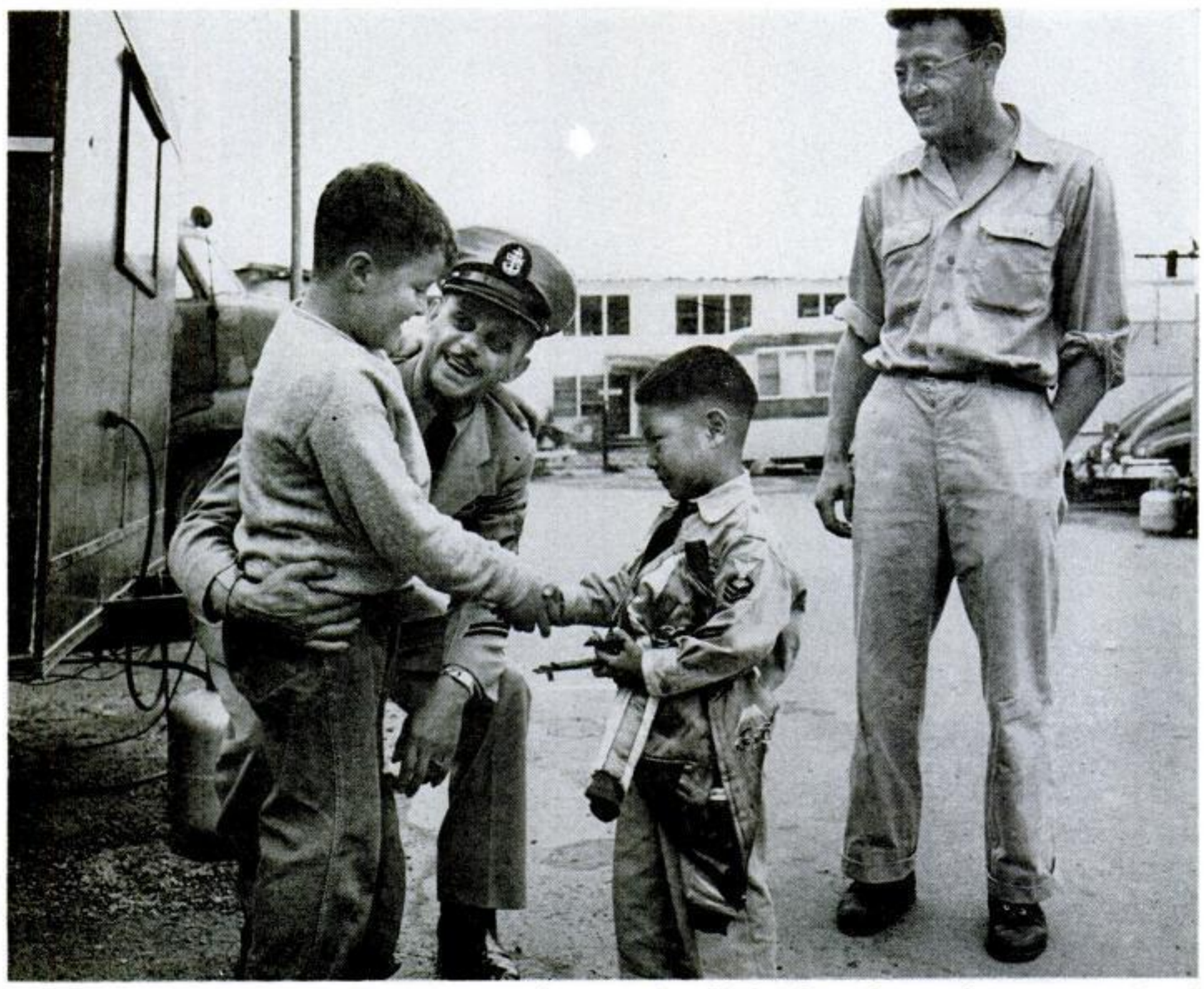
**MEETING THE PRESS** in a conference room, Lee handled all questions easily, occasionally gave impish evidence of being unimpressed (*above*), once inquired, "Whattsa matta? You ask that before."



**BUYING NEW CLOTHES,** Lee submits to vest, coat. "Whattsa matta with you?" he asked clerks. "Too big."



**IN FAVORITE DRESS,** cowboy clothes given him in Hawaii, Lee plays train with the chairs at Alameda base.



**MEETING NEW COUSIN,** Lawrence, at nearby trailer home of Paladino's brother (*right*), Lee offers a handshake. Soon the two boys were inside and Lee was getting used to his cousin's electric train.



**SIGHTING HIS PISTOLS,** Lee gets ready to let go with caps out of an open window of his uncle's car.

**LEE ALOFT,** having repeatedly challenged passers-by to cowboy duels, is hoisted happily out of harm's way. →

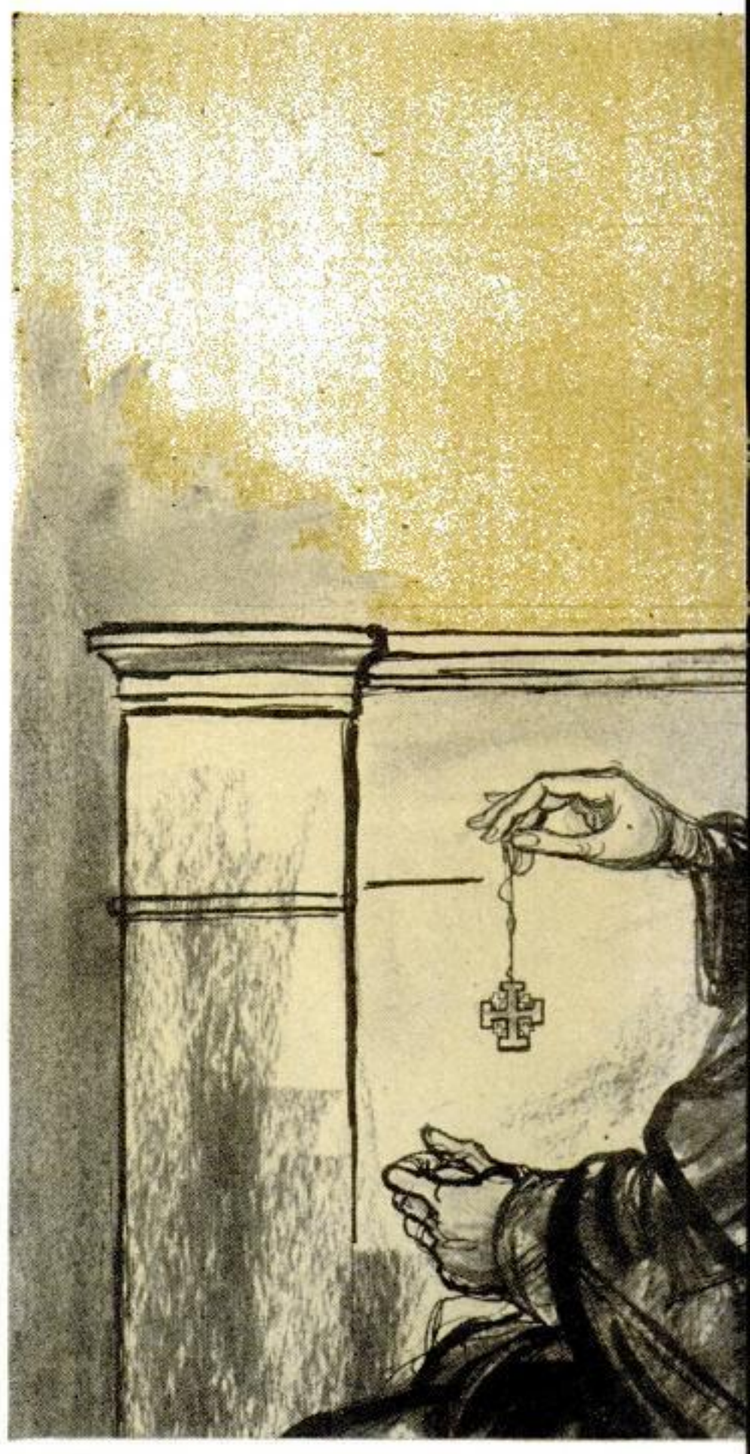


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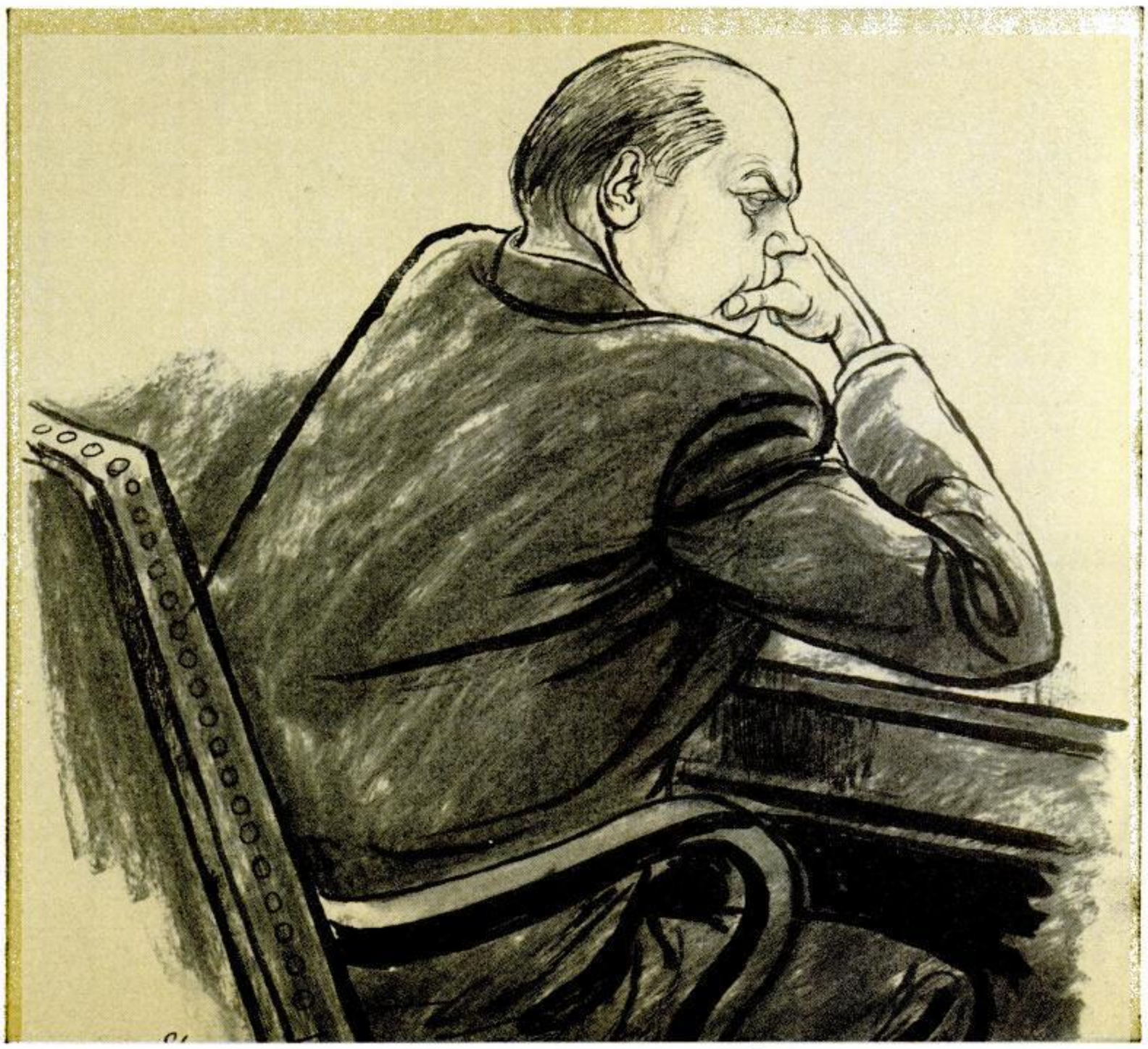




**BLOWZY ABDUCTRESS,** Bonnie Heady, in her confession to FBI, said her main role in crime was whisking Bobby away from school for her lover, Hall. During trial she grinned saucily, but neither she nor Hall testified.



**SISTER MORAND OF BOBBY'S SCHOOL IDENTIFIES**

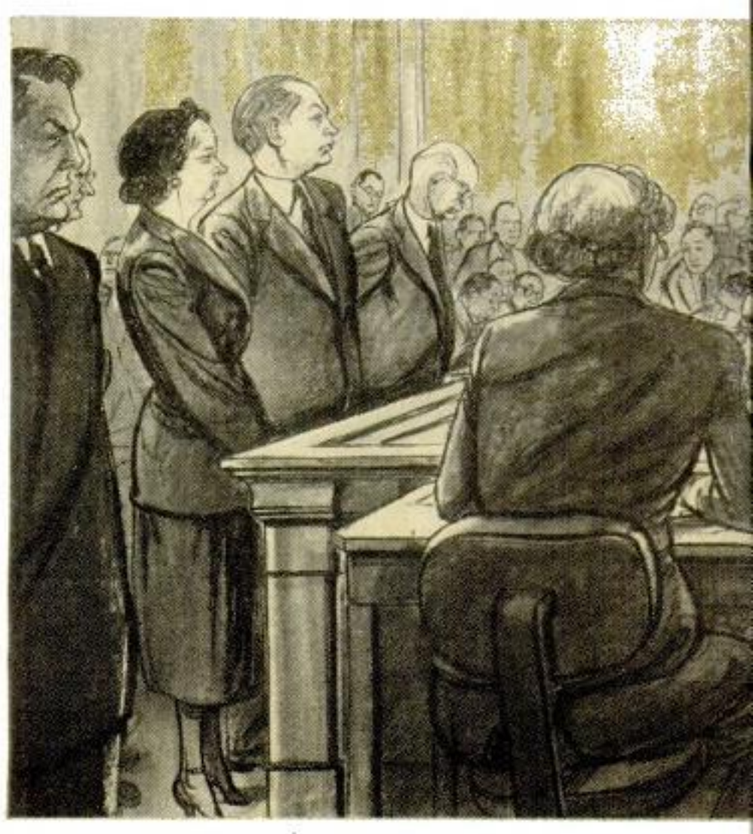


**CALLOUS MURDERER,** Carl Hall, hoped to retire comfortably with Bonnie on $600,000 ransom, half of which is still missing. After trial they asked, but were denied, permission to be married before their execution.

# 'ALL THAT THE

The federal jury called in Kansas City last week for the trial of Bobby Greenlease's kidnapers had to determine, not their guilt, but simply their punishment. Carl Hall had already confessed, revealing among other macabre facts that he had dug his victim's grave before the kidnaping and had tried to strangle Bobby before shooting him. His alcoholic mistress, Bonnie Heady, had confessed her complicity.

After hearing three days of testimony, the



**PASSING SENTENCE,** Judge Albert Reeves asks defendants facing him across bar if they have any



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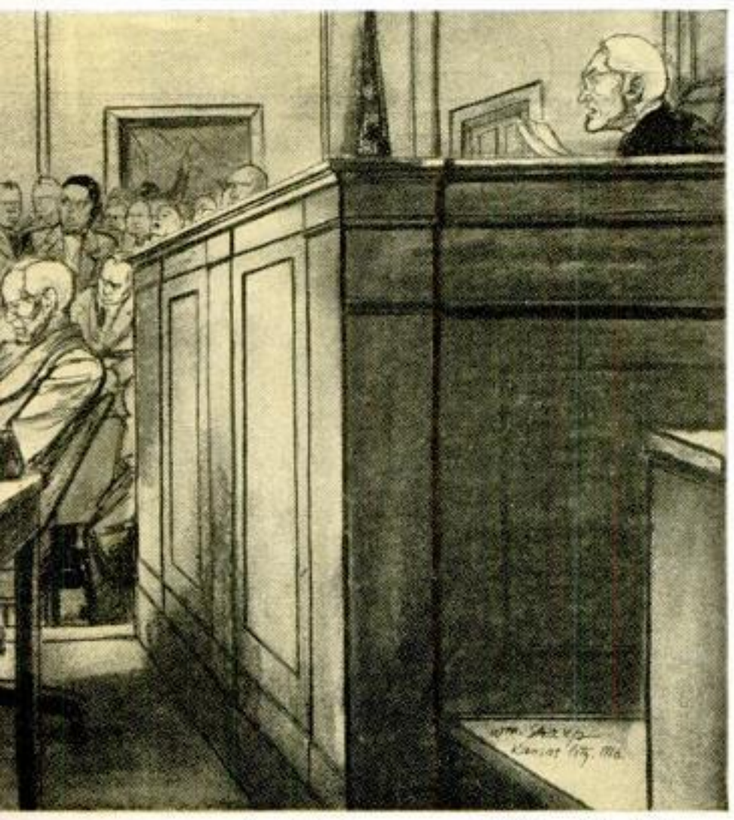
RELIGIOUS MEDAL, SENT GREENLEASE BY HALL



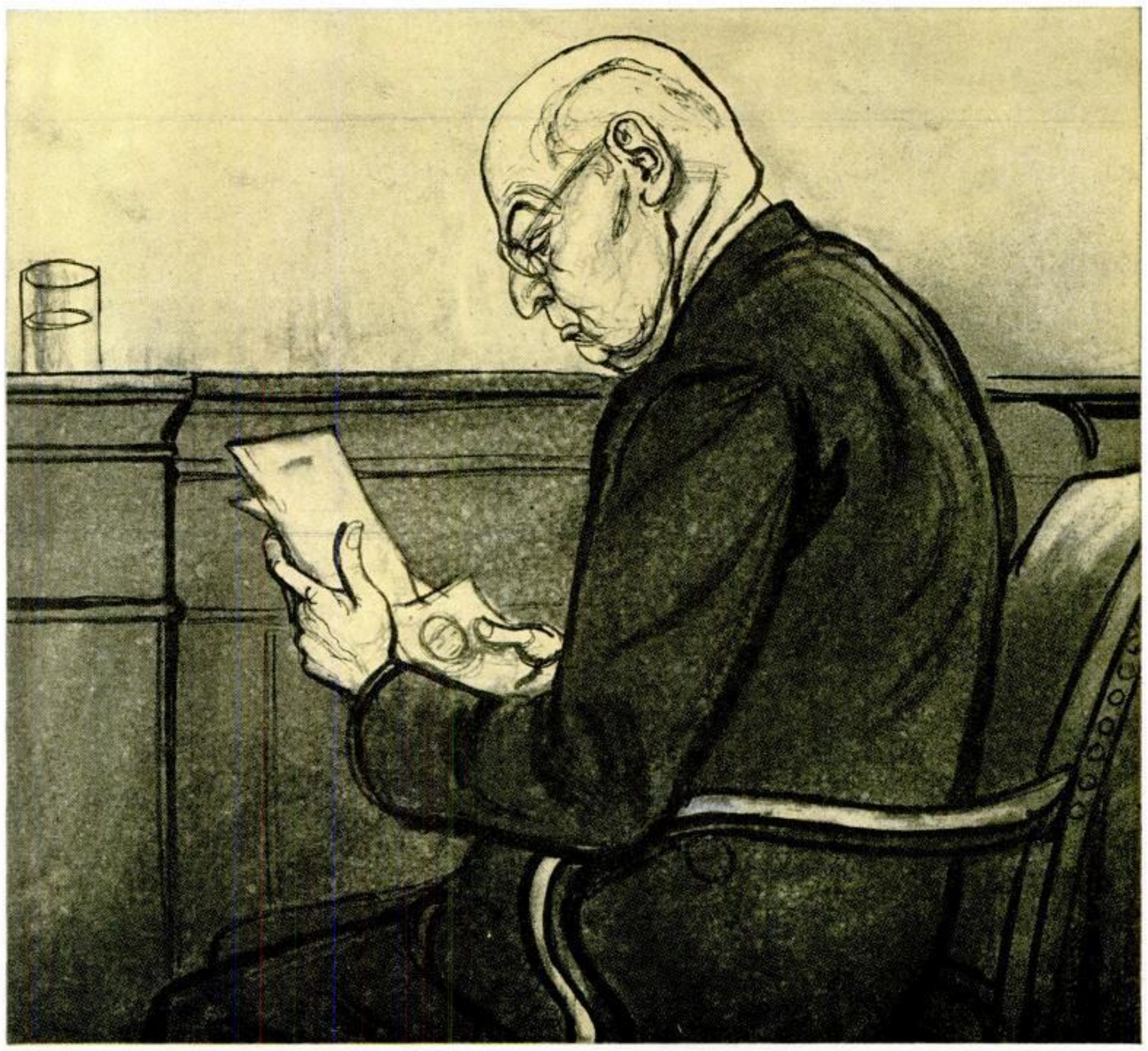

**BRAVE MOTHER,** Virginia Greenlease, facing killers in court for the first time, quietly described Hall's four phone calls. Even Hall's own lawyer refused to cross-examine her. "I'm just sorry she had to come," he said.

# LAW PROVIDES'

jury returned its verdict: death. Hall, depicted here in courtroom sketches by LIFE Artist William Sharp, sat unmoved. Mrs. Heady smiled thinly. Fingering a large wall calendar, the judge ordered the pair executed by gas on Dec. 18, later adding that in this case there would be no appeal. Robert C. Greenlease, Bobby's heartbroken father, seemed stunned by the trial's sudden end. "It's too good for them," he said, "but it's the best the law provides."



statement to make. Both answered, "No, Sir." Prosecutor Edward L. Scheufler stands at extreme left.



**GRIEF-STRICKEN FATHER,** Robert C. Greenlease, painfully identifies picture of Bobby for prosecutor. He sat behind his son's murderer during the trial, blinking back tears when the judge referred to the "little body."

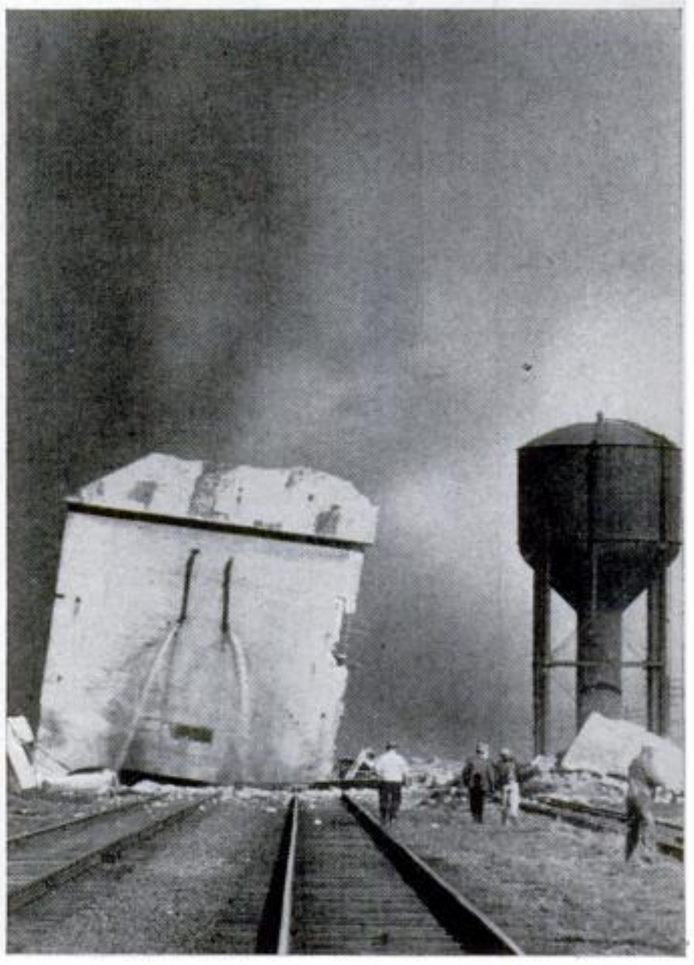


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**DELAYED SLUDGE** Because of the dry autumn the Milwaukee water department delayed until recently the annual cleaning of its nine-million-gallon drinking water settling basins. This is what an underground basin looked like after water had gone but before workmen began to clean out the knee-deep muck that was left. Made up of mud, small stones, weeds and fish heads, all sucked up out of Lake Michigan and settled out by chemicals, this smelly sludge is what Milwaukeans will be glad to know never reached their faucets.







**SUDDEN FLOP** When the Rock Island Railroad completed its switch from steam to diesels early this year, it decided to get rid of the 90-foot coaling chute straddling its busy main line at Morris, Ill. and hindering traffic. The idea was to prop it up on one side, then fell it like a huge tree with dynamite, so it would land off the right of way. Something went wrong, however, and the blasted chute landed right on the track, a huge flop in more ways than one. Trainmen and dynamiters agreed it was a hell of a way to run a railroad.



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**SODDEN SPLASH** In southern California the University of Washington football squad, clean and dry for the last time that afternoon, splashed precariously across narrow duckboards that strung out of a flooded tunnel into a rain-swept Los Angeles Coliseum to embark on a cold and watery game with their hosts, the U.C.L.A. Bruins. Before a meager crowd of 13,302 diehards, who felt absence would be a sign of disloyalty to Southern California's climate, the Huskies were submerged 22–6 in the wettest local game in years.

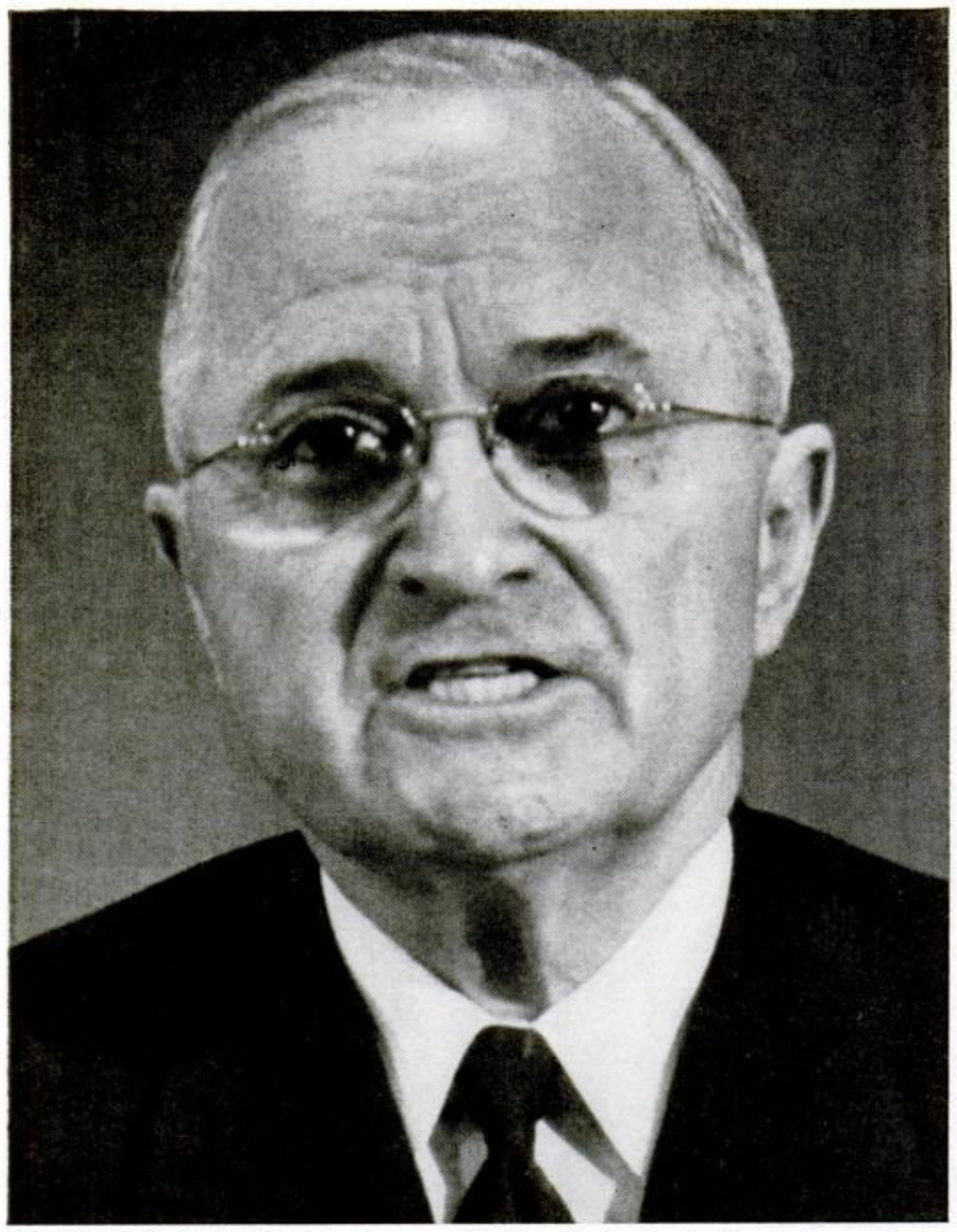




**DELAYED CRASH** In Barnwell, S.C., seven miles from the Savannah River H-bomb plant, a plant employe named Alfred Earl Smith drove his Chevrolet into the Lemon Brothers general store at a speed, witnesses said, between 70 and 75 mph. Not a pane of glass in his otherwise badly banged-up car was broken. Smith walked out unhurt and into the county jail. Three hours later, while contrite Smith was attempting suicide in his cell, the store front, its supporting beams weakened by the crash, collapsed completely.



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**HARRY S. TRUMAN,** blasting out with his old give-'em-hell technique, gives a nationwide TV-radio audience his version of Harry Dexter White controversy.

# HARRY TRUMAN VS...

## He says his aim was to trap Harry Dexter White

In a Kansas City radio-TV studio the former President of the United States told the U.S. his side of the controversy over his appointment of Harry Dexter White, an alleged Communist spy, to a high post in 1946. He spat his words angrily, chopped the air with both hands and, in the words of one reporter, threw at Attorney General Brownell everything but the county courthouse. These were his four chief claims:

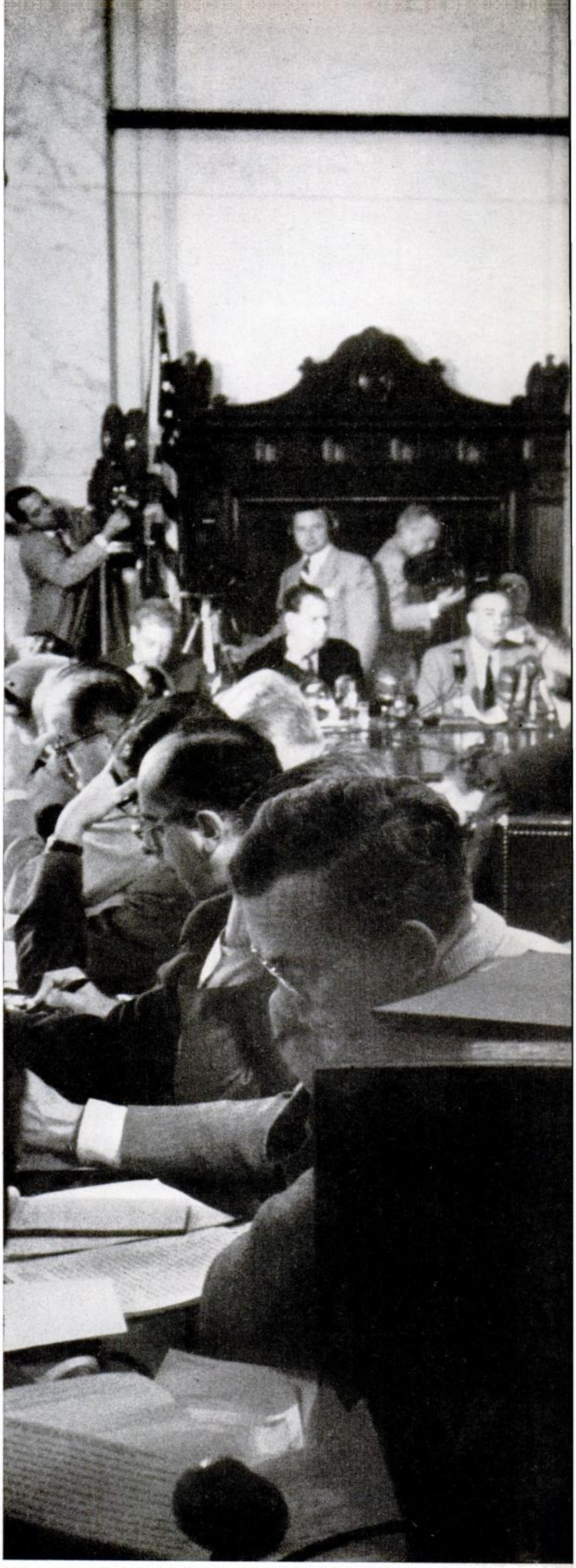
**1** "As best I can now determine, I first learned of the accusations against White early in February 1946."

**2** "Let me read what Mr. Brownell said: '. . . Harry Dexter White was known to be a Communist spy by the very people who appointed him to the most sensitive and important position he ever held in government service.' . . . His charge is false. . . . He lied to the American people."

**3** "With his [White's] duties thus restricted [by his transfer to the International Monetary Fund] . . . his position would be less important and much less sensitive—if it were sensitive at all—than the position then held by him as Assistant Secretary of the Treasury."

**4** "The course we took [letting White take office] protected the public interest and security and . . . permitted the intensive FBI investigation then in progress [of White and other Red spies in government] to go forward. No other course could have served both these purposes."

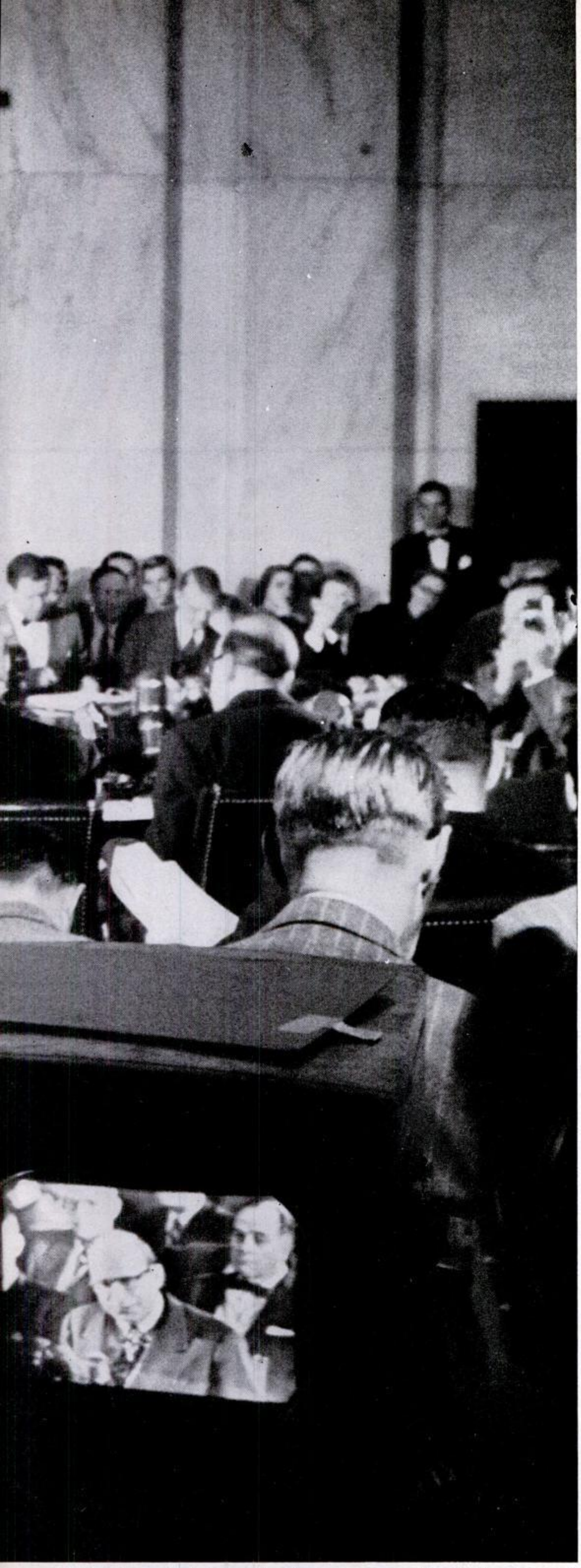
After his speech a reporter started to ask Truman a question, but he got off only about 10 words before the former President interrupted. "I don't want to answer any questions," he said pleasantly. "I'm tired and the speech says everything I wanted to say." But there were still many questions to be answered. The reason for the most important omission in the speech—the role of FBI Chief J. Edgar Hoover in the White case—was to become clear at the Senate hearing the day after Truman's speech.



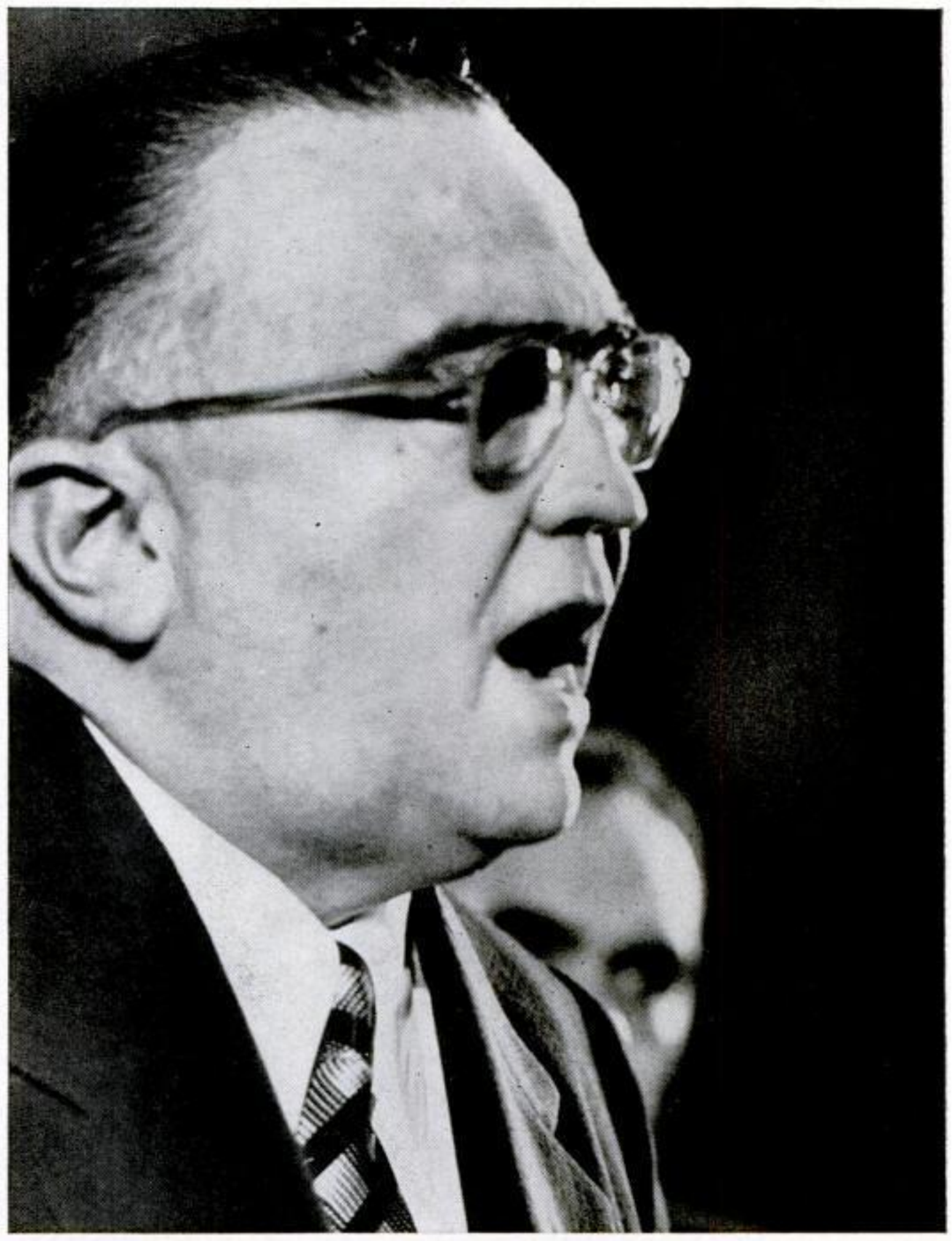
**HERBERT BROWNELL JR.** (*right*, wearing glasses, back to camera) testifies before the Senate subcommittee. Members are facing Brownell, with Chairman



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William Jenner (*center*) presiding. Hearing was covered by 15 microphones, 12 movie and TV cameras, 125 reporters. In foreground is broadcaster's monitor set.



**J. EDGAR HOOVER** testifies before Senate subcommittee. The FBI director was a surprise witness and the audience burst into applause when he entered.

# . . . HOOVER, BROWNELL

## They say there was no plan to catch Soviet spy

In a jammed Senate caucus room the Subcommittee on Internal Security opened its hearing on Harry Dexter White and Harry Truman. Brownell testified, then—in a rare appearance—FBI Chief J. Edgar Hoover. He was called, said the chairman, because of a wide rumor he had agreed to keep White in office. Brownell and Hoover answered Truman point by point.

**1** HOOVER: "On Nov. 8, 1945, a letter [from Hoover concerning White's espionage activities] was delivered to Brig. General Harry H. Vaughan." BROWNELL: "It would be difficult to believe . . . that so important a document . . . would not have been brought to Mr. Truman's attention."

**2** BROWNELL: "Developing evidence indicated a substantial spy ring within government, involving Harry Dexter White . . . documented report [was] delivered to the White House Dec. 4 [1945]. Six weeks later President Truman, on Jan. 23, 1946, announced his nomination of White."

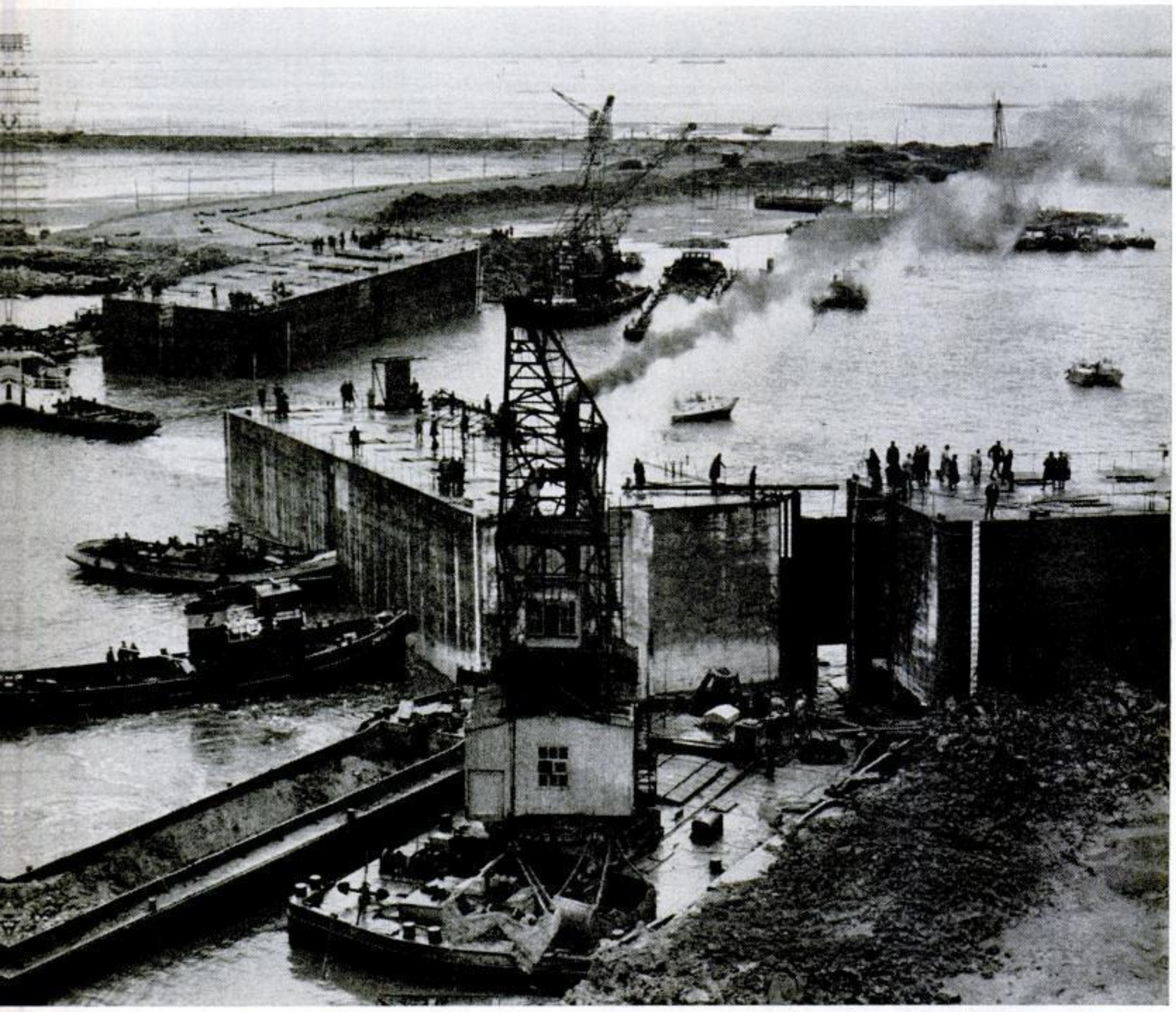
**3** BROWNELL: "They [White's powers] were very extensive . . . a sensitive position. . . . Each director has confidential files furnished by his government. . . . They [Russia] would like to know what was in our . . . files."

**4** HOOVER: "At no time was the FBI a party to an agreement to promote White. . . . He was a member of the U.S. Monetary Commission, [its] premises are extraterritorial, and the FBI does not have any right to follow any . . . person onto [its] property. . . . We were certainly hampered. . . ."

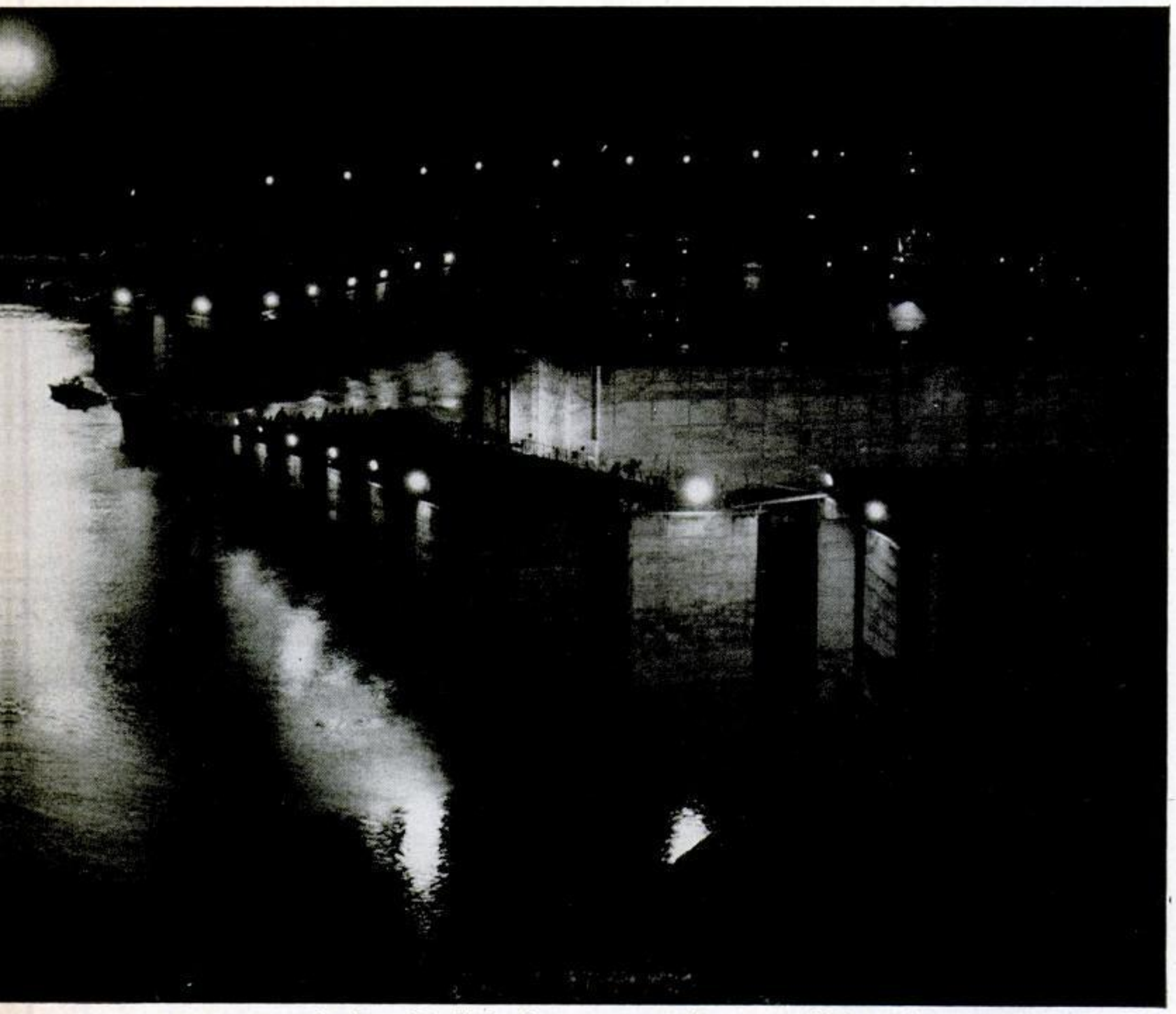
The one-two Brownell-Hoover punch established two vital points: 1) the FBI gave the White House repeated warnings on White, still he stayed in office; 2) Hoover never suggested White be kept in government, in fact opposed it. It contradicted the contention White was promoted to help trap the Soviet spy ring. Indeed after White's promotion several members of the spy ring continued to advance in government. The inquiry added new fuel to the issue of Communists in high places (*see* Editorial).



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**BY DAY,** tugs nudge next to last of four caissons into its final position, a tricky maneuver imperiled by both tide and weather. After being placed, the caissons are sunk by flooding them with sea water.



**BY NIGHT,** under glare of floodlights, last caisson makes head-on approach toward point where it will be swung to fill the gap between the others. Sunken caissons will form the backbone of the new dike.



**WILLOW WEAVERS,** trained in this art, fashion mats of twigs to make resilient bottom for new dike.

**TOMBSTONES OF OUWERKERK CEMETERY RISE**





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# CLOSING OF GAP 67

## Dutch plug the last break in their flooded dikes

For nine months the Netherlanders of Ouwerkerk had led an uprooted existence forced on them by a prodigious hole called Gap 67, the worst and last-to-be-mended hole in 300 miles of Dutch dikes wrecked by last winter's storm and floods. Waiting to go home again, they camped out impatiently in strangers' villages, buried their dead in strange cemeteries and labored mightily to win back their water-logged village. To hasten the day they joined cheerfully in the army of 2,500 men toiling week in, week out to close Gap 67. First they filled the tide-scoured channels in the sea bottom. Then they wove and sank great mattresses of willow withes, paving them with rocks to give the new dike a firm yet springy foundation. Finally tugs floated in four huge caissons, which the Dutch government purchased from the British at a cost of $100,000, and sank them on the new foundation. Much finishing work remained to be done, but for the impatient people of Ouwerkerk, Gap 67 was closed tightly enough for them to go home and make plans to bring their dead home too.



**HOMEWARD BOUND,** boatload of villagers approach Ouwerkerk, waving to earlier arrivals. Most of remaining buildings are here, in the town square section.

**FROM THE RIPPLED MUD AS THE TIDE RECEDES. BODIES OF THE VILLAGE'S 89 FLOOD VICTIMS WILL BE BROUGHT FROM TEMPORARY BURIAL TO GRAVES HERE**

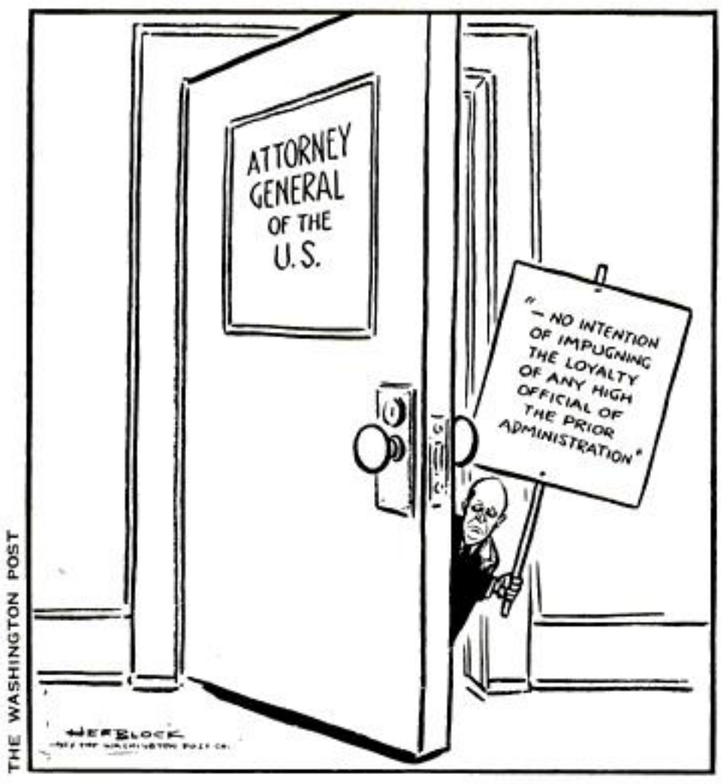


EDITORIAL

# THE WAY TO KILL AN ISSUE




LETTING THE POLECAT OUT OF A BAG




BY WAY OF EXPLANATION




OLD GHOSTS NEVER DIE

## THE WHITE CASE IN CARTOONS

The White case offered the country's cartoonists an unusual opportunity. The controversy had a built-in continuity enabling the newspaper artists to chronicle the argument from beginning to end.

## CONTROVERSY OVER COMMUNISM INVOLVES MORE THAN POLITICS

How do we take the case of Harry Dexter White out of politics? How do we end the controversy over Communists in the Roosevelt and Truman administrations?

President Eisenhower says he hopes it will be a matter of history by the time of the 1954 congressional elections. Certainly the Democrats, including Harry Truman, would like to hear the last of it. It will take more than hope and pious words, however, to kill this squirming issue. Instead of helping to put an end to the controversy, Mr. Truman's speech last week gave it a mighty shot of Adrenalin.

Mr. Truman ought to understand that ex-Presidents are held responsible for what happened in their administrations. He has had plenty of chance to observe how for 20 years Herbert Hoover has been accused unfairly of having caused the depression. In six presidential elections the Democratic candidates have campaigned as though they were running against Mr. Hoover. Now the shoe is on the other foot. Communism first established a foothold in Washington under Mr. Roosevelt's administration and the record now shows that the Communists were still there under Mr. Truman.

No one believes that Mr. Truman (or Mr. Roosevelt) was disloyal. It was unfortunate that the case of Harry Dexter White was reopened by Herbert Brownell at a time, and in such a way, that the Attorney General's motives could be open to question. Even before Mr. Truman spoke, any imputation of disloyalty had been disavowed by Mr. Brownell and by the President. But in his speech Mr. Truman did not answer some very serious charges.

What are these charges? That Mr. Truman was extraordinarily blind to what was going on around him and that he was extraordinarily lax in disregarding strong evidence of Communist conspiracy within the executive branch of the government.

•

The Democrats, including Mr. Truman and Mr. Stevenson, have repeatedly decried congressional investigations into Communist activities, arguing that the job of catching Communists was best left to the FBI. The record now shows that while the FBI was about its business of gathering evidence the Administration neglected to act on it.

Admittedly Mr. Truman inherited a mess. The Roosevelt administration operated in a climate of moral confusion and loose discipline. The arrogance of Harry Dexter White and men like him was that they operated beyond the laws and responsibilities that bound their fellow citizens. When ambitious men carried such reasoning to extremes they sometimes slipped across the line to treason.

Mr. Truman's initial tolerance may be excused because he did not know them and he was overwhelmed with new responsibilities. But after evidence of betrayal was presented there was surely no excuse for Mr. Truman to praise and promote men under suspicion. And what is still quite incomprehensible is his continuing failure to admit the gravity of their offense. He treats the record of Communist infiltration as if it were a mere by-product of political controversy.

He still talks as if the record of Communist influence within the U.S. government never existed and a long succession of errors and misjudgments never occurred. He appears to be more interested in discrediting congressional investigation than in explaining what happened. His chief answer to legitimate inquiry is the countercharge of "McCarthyism."

•

It is as if Mr. Truman never understood, and still does not understand, that Communist aggression and Communist conspiracy are parts of the same great evil. While meeting courageously the military threat of Communism abroad he disregarded carelessly the atmosphere that encouraged treason at home. Now that time has receded some people may minimize the effect of the specific instances of that treason. It is not so easy to write off the consequences of the habit of mind which made such treason possible.

It was a habit of mind which encouraged one of the greatest delusions in history, the delusion that Communism was no more than a Russian version of the New Deal and that given encouragement the Soviet Union could be trusted to become a civilized member of the community of nations. It was the climate of opinion that was in part responsible for the enslavement of Poland, Czechoslovakia and Balkan states. It was the kind of thinking revealed in the incredible instructions to General George C. Marshall to effect a coalition between the Nationalists and the Communists so that China might be unified "by peaceful democratic methods."

Are we done with all that now? We're not but we could be. Mr. Truman and the Democrats would help greatly if first of all they would stop lending credence to the Republican charge that they never understood Communism and therefore cannot be trusted to fight Communists. To do this the Democrats will have to stop saying that all inquiry into past subversion is just politics. This will go a long way toward helping to clear up the record and to support the Administration's effort to rid the government of any who are still disloyal. Herein is the right way to kill the issue of Communism in U.S. politics.



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CAMPBELL'S CHICKEN NOODLE SOUP
Grilled Cheese and Bacon Sandwich
Cookies Candy Milk




**"Keep a full SOUP SHELF for quick, easy meals!"**

"I save *hours* in the shopping season by picking a soup and planning a meal around it. My soup shelf is always stocked with the family favorites. And I'm *never* without Tomato and Cream of Mushroom—I use them so much in cooking."

*MORE TIME FOR CHRISTMAS SHOPPING!...SERVE*

# Good Hot Soup

**A nourishing and delicious main dish . . . in just 4 MINUTES!**

This is the time of year when "there just aren't enough hours in the day". Holiday shopping and wrapping . . . beds to make . . . marketing . . . cleaning . . . dishwashing . . . and a hungry family to feed. And right there is where you can save *hours!* Rely on good hot soup! For quick, delicious lunches or suppers, pick a soup and plan a meal around it. For soup is nourishing . . . Daddy and the children love it . . . and everyone's well fed!

Campbell's SOUPS

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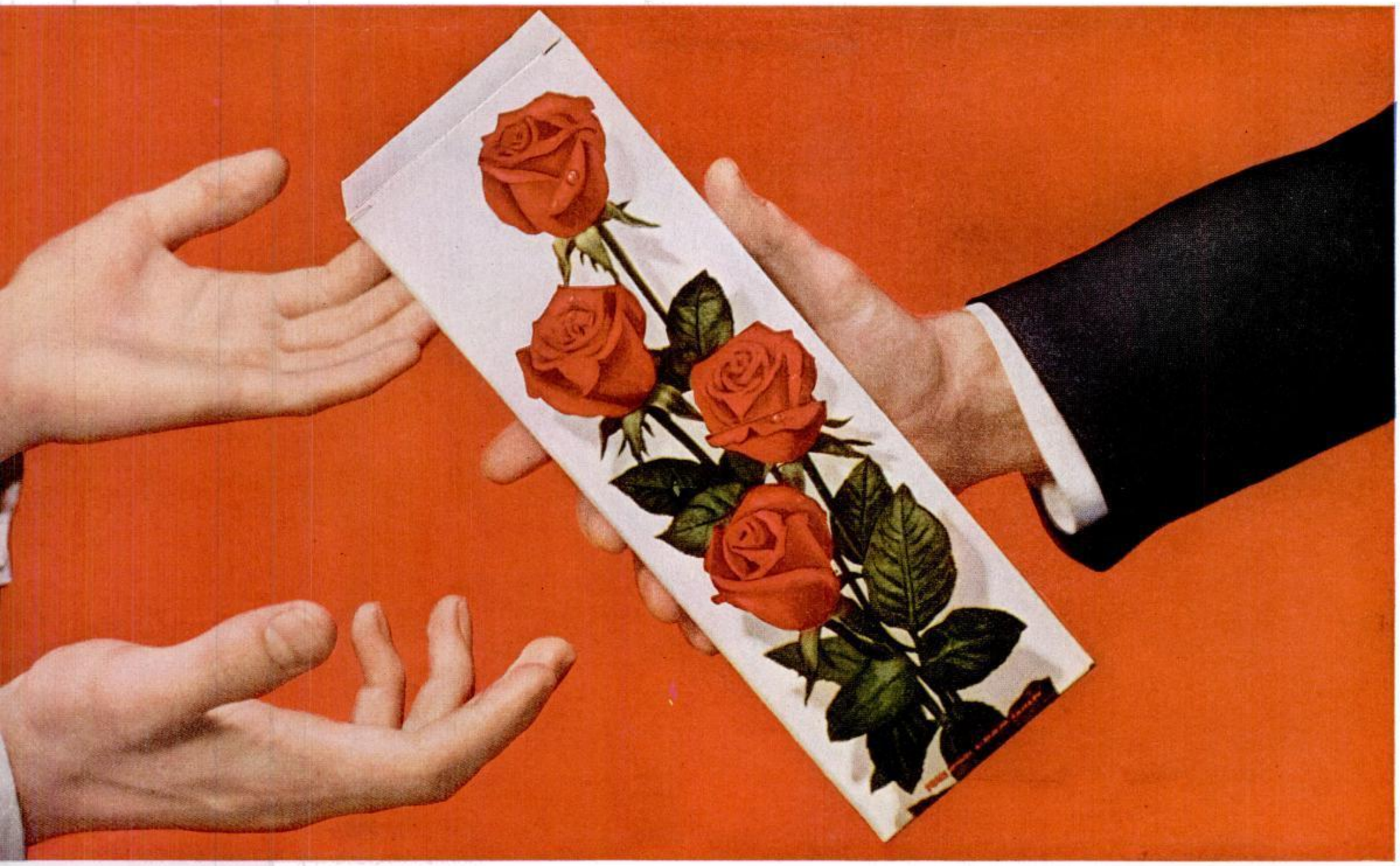
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men who

know whiskey . . .




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. . . because Four Roses today is the *finest* Four Roses ever bottled. And —in our opinion—that makes it the finest whiskey you've ever enjoyed.

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1. New! Creamy-good and chock full of shredded coconut. Make a delicious pie . . . or try these tasty tarts!
2. Easy for holidays—cooks in about 5 minutes!
3. Double-feature wonders! Every package makes the best pie filling or pudding ever . . . for mere pennies!




Vanilla
Chocolate
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# HANDYMAN'S CASTLE

## Marylander leaves bungalow for Scottish manor

Adrian Ivor Dunbar, a quiet 60-year-old house painter and neighborhood handyman who a month ago was living in a shabby little house on three and a half barren acres in Upper Fairmont, Maryland, last week lived out the dream which has lulled many an American to sleep. He suddenly became Sir Adrian, 12th baronet of Dunbar. His cousins had failed to produce male issue and he had come to Scotland to claim his newly inherited ancestral acres—3,424 of them in the Galloway Hills.

He did not take up residence in his 40-room manor house nor did he give the traditional dinner to his tenant farmers. Instead the farmers, knowing their new laird's pocketbook was as flat as his American accent, gave him a dinner at the Black Bull in Newtonstewart. Sartorially they kept it informal, for no one wanted to ask Sir Adrian whether he owned a dinner jacket, but gastronomically they shot the works—ravioli Americaine, cockaleekie soup, Scottish haggis and supreme of chicken Maryland. Then Sir Adrian and Lady Dunbar went to Edinburgh to digest something else: the baronial mansion, complete with family ghost, was such a time-battered wreck that all the money in the estate was not enough to put it back into shape as the fitting residence of a nobleman.



**IN MARYLAND,** comfortable by their old wood-burning stove, Mr. and Mrs. Dunbar proudly display the arms of his family, which dates to the 12th Century.



**IN SCOTLAND** the venerable but uncomfortable pile of Mochrum Park awaits Sir Adrian and Lady Dunbar. Built in 1769, it was last occupied by a force of commando troops during the war and then was permitted to fall to pieces by the latter-day Dunbars of Mochrum who preferred to live in Bognor Regis, England.

CONTINUED ON NEXT PAGE 

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*Here Is Today's Beauty Message*

# LANOLIN PLUS DOES WONDERS FOR SKIN AND HAIR!



## YOUR HAIR WILL BE LOVELIER, MORE MANAGEABLE IF IT'S IN GOOD CONDITION

If your hair is dull, dry and unmanageable, it will surely **welcome the refreshing, softening influence of Lanolin Plus For The Hair.** For lanolin, with its rich base of valuable esters and cholesterols, is the closest duplication of Nature's own skin lubricants. When the gleaming highlights and lovely softness that Nature meant for your hair to have are taken away by various kinds of harsh hair treatment, water, and the drying effects that come from exposure to sun or wind, look to Lanolin Plus For The Hair to supplement precious, natural oils and bring out sparkling highlights.

**GIVE** *your* hair a chance to look its best. Get LANOLIN PLUS FOR THE HAIR soon. Only a dollar, plus tax.

* * *

### Your Hands Will *Look* Lovelier...*Feel* Better With Lanolin Plus Hand Lotion

You'll never know how soft and smooth your hands can be until you use Lanolin Plus Hand Lotion, **containing the right amount of lanolin with its valuable esters and cholesterols.**

**TREAT** your hands to this entirely new *feeling* of petal-freshness and softness. LANOLIN PLUS HAND LOTION works quickly, then disappears like magic.

A handy pump dispenser, which comes with each bottle of Lanolin Plus Hand Lotion, makes regular application a simple task. LANOLIN PLUS HAND LOTION with PUMP . . . $1.00 plus tax. At all cosmetic counters.



### Have The Self-Confidence That Comes With Knowing You Look Your Very Best

**LANOLIN PLUS AGREES WITH YOUR SKIN...MAKES IT FEEL BETTER... LOOK SOFTER, MORE YOUTHFUL**

Just as a new gown or a certain glance from someone very special makes you suddenly feel like a new person, so the wonders of Lanolin Plus work to give you a whole bright new outlook. For when you use Lanolin Plus Liquid, you'll know by the soft, wonderful way your skin *feels* that you never looked lovelier. And you'll find, too, that the tiny lines you worry about will become less noticeable. You see, as time goes by, the natural oils of our skin become less plentiful and, in addition, are removed by sun, wind, dry indoor air and ordinary harsh cleansing. **So it's just common sense that when you help to replenish oils with Lanolin Plus Liquid, your skin becomes softer, more supple and, consequently, more youthful-looking.**

**YEARS AGO** it was found that the wool of sheep contains a substance known as lanolin, which, because of its rich base of beneficial esters and cholesterols, is most similar to the natural oils of our human skin. The chemists who created Lanolin Plus planned their formula to include highly refined lanolin and other skin-beautifying ingredients.

**A MILLION DOLLARS** couldn't buy a more effective beauty aid for your skin. Yet LANOLIN PLUS LIQUID costs only a dollar, plus tax, at all cosmetic counters.

* * *

### Reveal Your Hair's Natural Loveliness With Lanolin Plus Hard Water Shampoo

Perhaps you are one of the many women who are at a loss to know how to keep their hair and scalp scrupulously clean, yet preserve the natural oils that are essential to soft, glistening hair.

Lanolin Plus Hard Water Shampoo contains a superabundance of Lanolin Plus, the nearest duplication of nature's own skin oils, so it not only helps lubricate scalp and soften hair, but at the same time it lathers beautifully in the hardest water. Just as the shampoo cleanses, its oil pampers the hair.

**IT'S ECONOMICAL,** too, because it's fast-acting, and ordinarily only one application is needed each time you wash your hair. Only a dollar (tax-free).

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### New Softness for Dry Skin with LANOLIN PLUS CLEANSING CREAM

Now that Lanolin Plus has come into the beauty picture, **you can keep your skin softer and lovelier than you ever imagined!** For it is compounded to *soften* your skin as it cleanses it. Try it soon.

## Get-Acquainted Bottles ONLY 25c EACH

**SEND COUPON NOW!**

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Gentlemen: I enclose.....in cash for the following guest-size bottles:

- ☐ 15-Facial Bottle Lanolin Plus Liquid.....25¢
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- ☐ Two-Weeks' Supply Lanolin Plus Hand Lotion.....25¢
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- ☐ 15-Application Bottle Lanolin Plus For The Hair.....25¢

☐ **NOTE:** Enclose $1.00 and receive all five Lanolin Plus Beauty Aids.

**GET ALL 5 FOR ONLY ONE DOLLAR—See Note Above**

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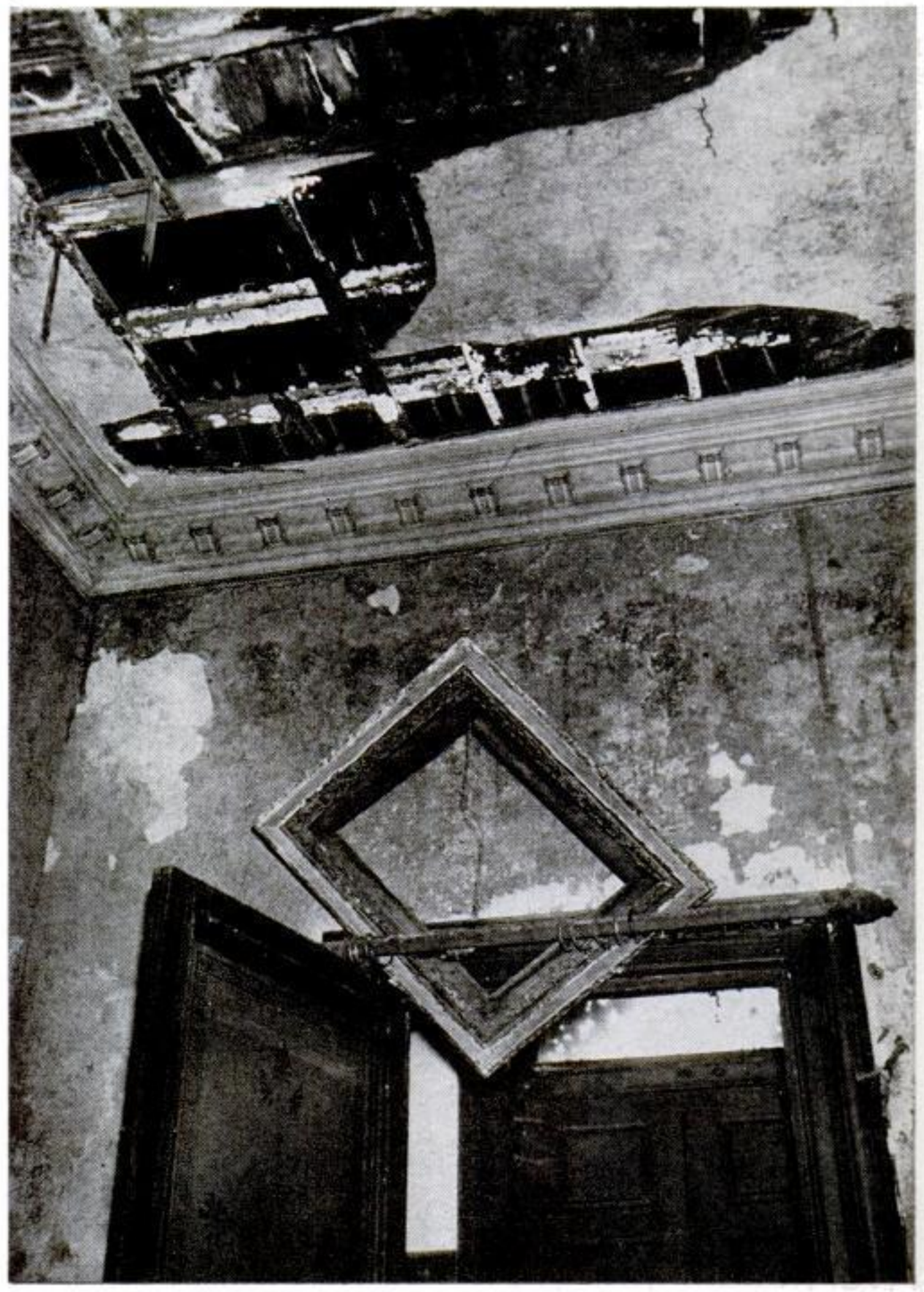
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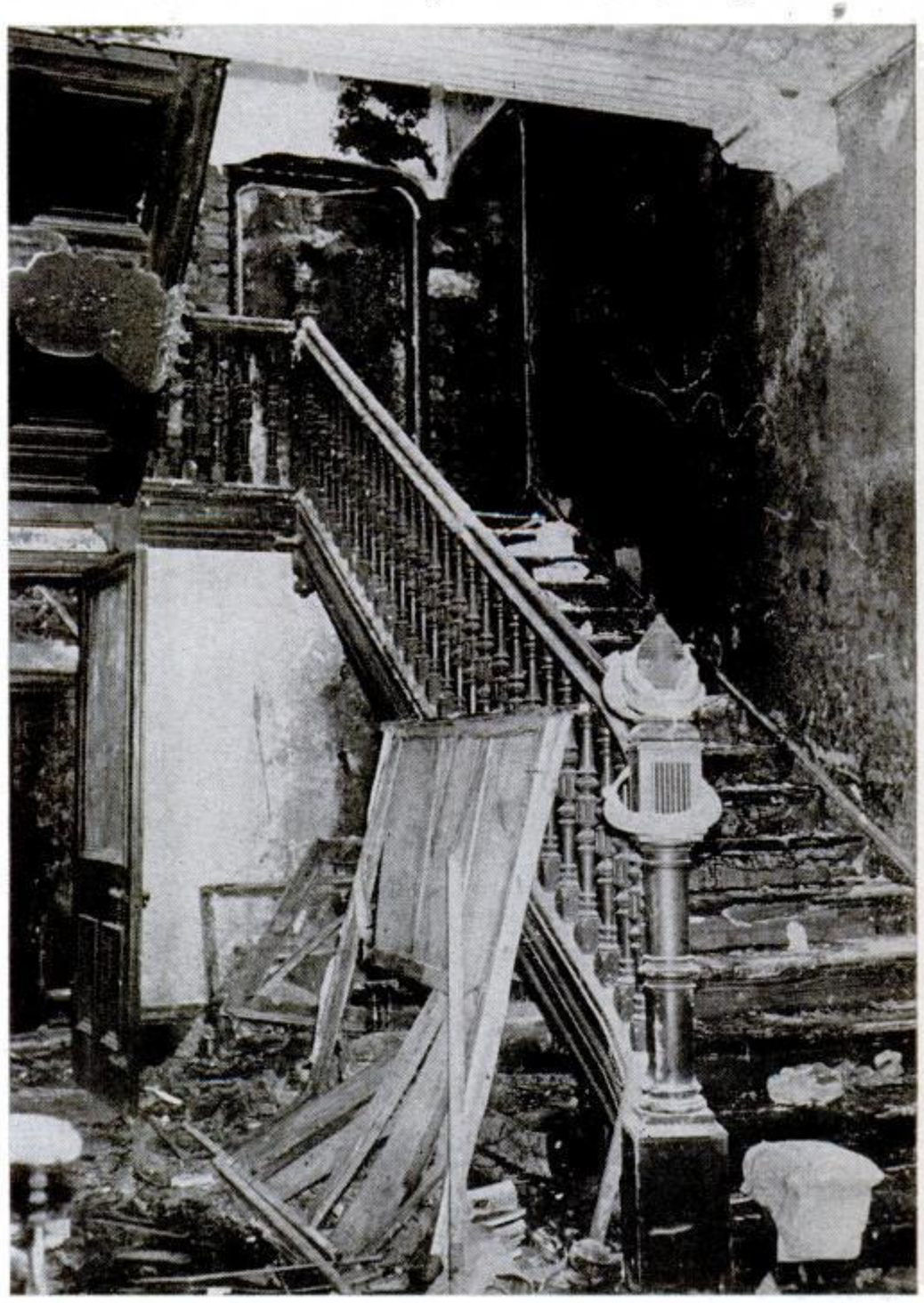
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**FAILURE OF THE DRAINS,** common in the British Isles, let water leak into mansion, caused broken ceilings, soaked walls, tumbled picture frames.



**LITTER ON STAIRWAY** bespoke years of neglect. The baronet's eyes popped when he looked at it but he said bravely things could be put to rights.

CONTINUED ON PAGE 46

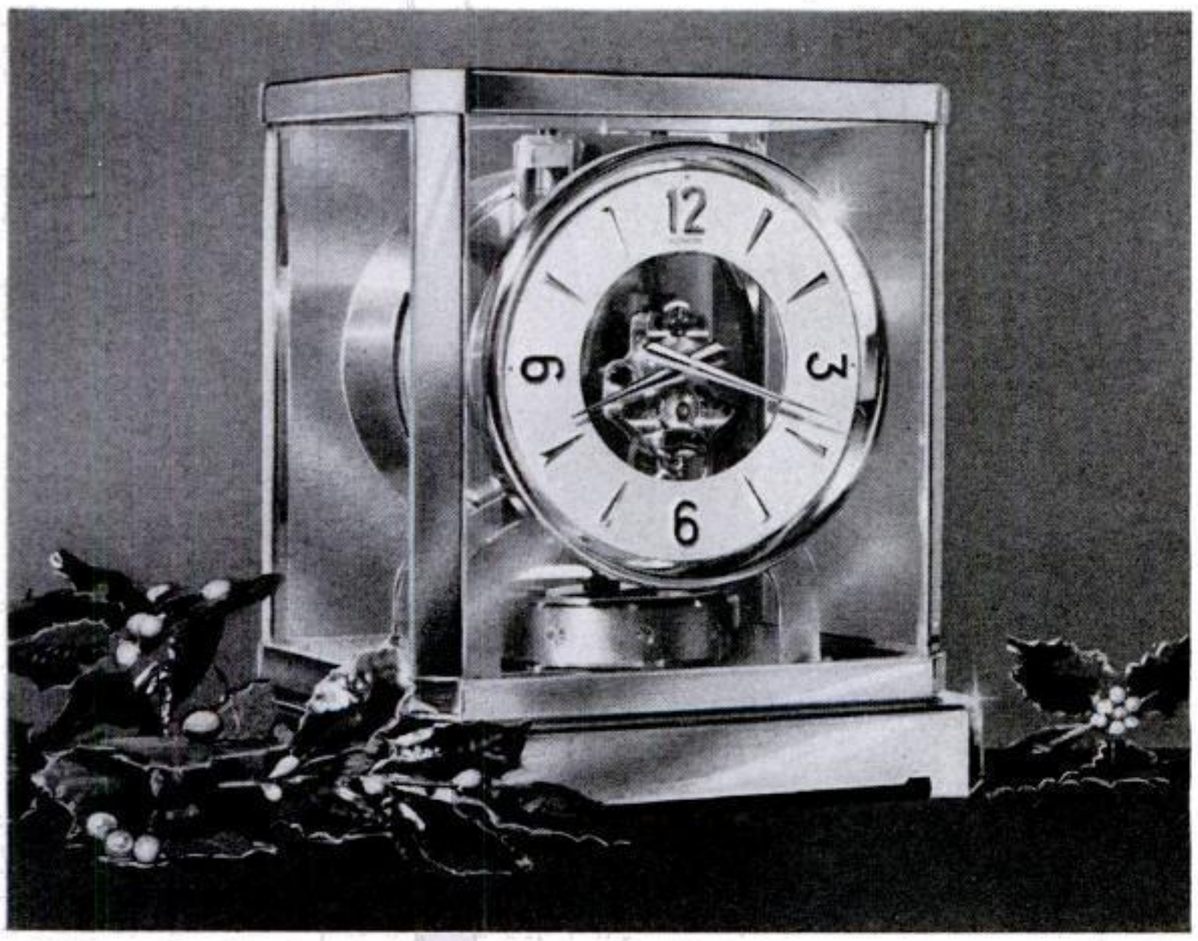
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# GIVE WITH INFINITE PRIDE — GIVE

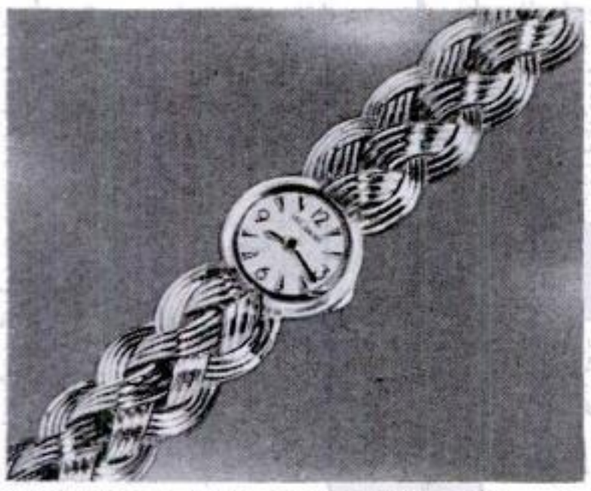
# LE COULTRE

## THE MOST EXCEPTIONAL WATCHES AND CLOCKS IN ALL THE WORLD

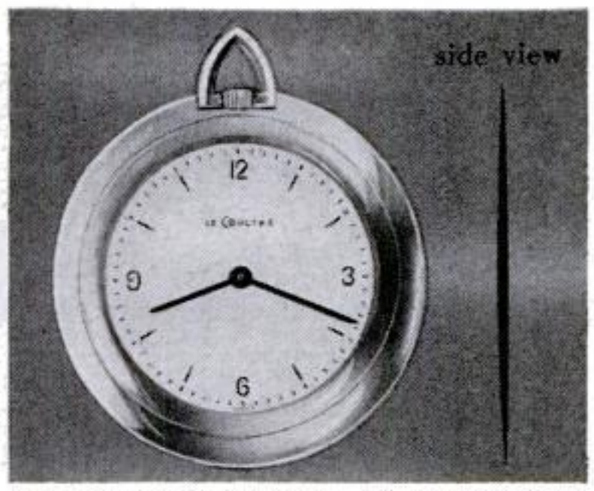
**You will take pride and pleasure in giving a LeCoultre timepiece to someone near and dear. Made to the highest precision standards for 120 years, a LeCoultre watch or clock combines beauty, originality, quality with unsurpassed performance. For Christmas giving, see your Authorized LeCoultre Jeweler for the "Most Exceptional Watches and Clocks in All the World".**



**ATMOS** — The Perpetual Motion Clock. This LeCoultre creation amazingly offers virtual perpetual motion in a handsome clock. No hand-winding, no electricity — ATMOS runs silently, accurately, powered only by the unfailing daily changes in the temperature. ATMOS, beauty-in-action, brings a dramatic touch to every home. An exceptional possession, a most exceptional gift. Measures 9¼ x 8¼ x 6¼ inches. $175.



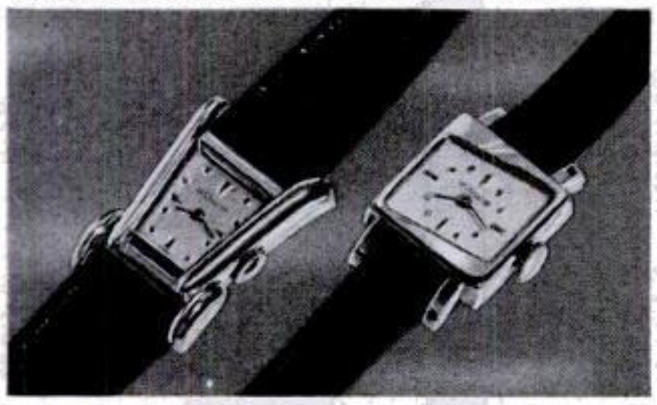
**LE COULTRE PAR EXCELLENCE.** Elegant, stylish beauty — one of a series of ultra small watches with an exclusive LeCoultre backwind. In 14K gold or platinum, many with diamonds. Priced from $350 to $1000.



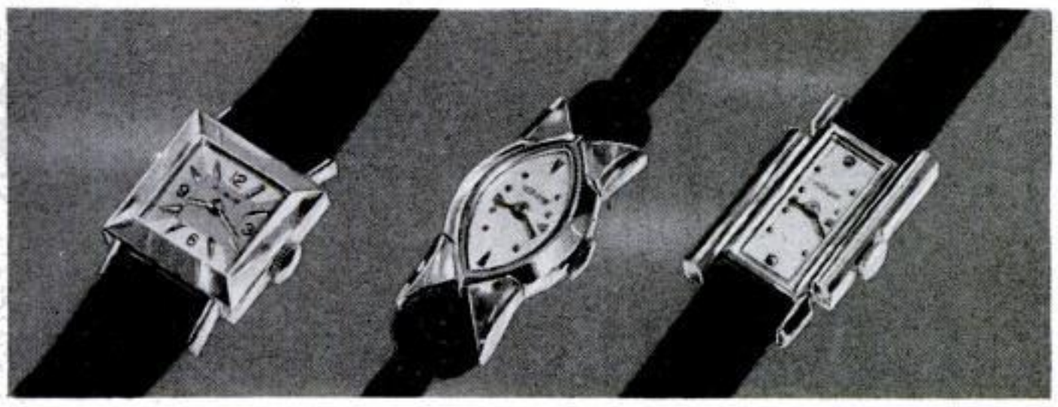

**THE THINNEST WATCH IN THE WORLD.** A work of unbelievable precision and delicacy of execution, with a LeCoultre movement only .0531 inches thick. Silhouette of side view shown. In platinum, $1950.



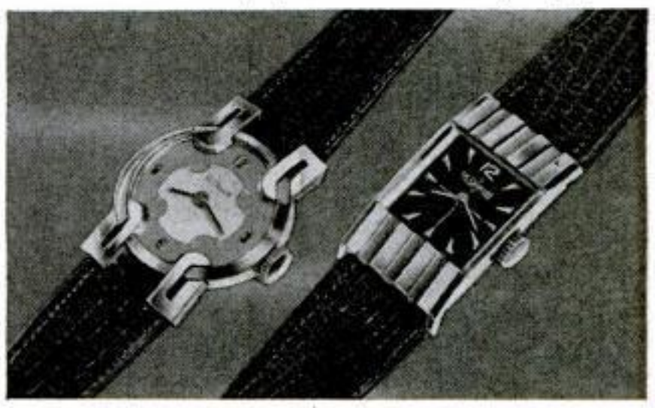
**LE COULTRE WRIST ALARM**—"A Watch With a Memory". As smartly thin and handsome as a conventional watch, its "golden voice" reminds its owner of every appointment — awakens him each morning. A separate crown winds and sets the alarm, cleverly indicated on a turning disc in the center of its dial. Sweep second hand. Gold-filled case, $71.50. Gold-filled, moisture-resistant case, $99.50. In 14K gold, $150.



**LE COULTRE ARISTOCRAT AND BARONESS** — The deftness of the couturier's touch joins the skill of the watchmaker to create these delightful timepieces. In gold-filled cases. Each, $71.50.



**LE COULTRE MIGNONETTE, MARQUISE, FLAIR**—A gift she will cherish—each "foremost-in-fashion" watch offers boundless prestige in stylish beauty, in years of dependable timekeeping. Conceived in yellow or white 14K gold. "Mignonette", $110; "Marquise" and "Flair" — each, $125.



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**LE COULTRE GENERAL WAYNE**—A useful servant, exclusively LeCoultre; tells seconds, minutes, hours and date of month. Sweep second hand. In 14K gold, $150.



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**LE COULTRE CALENDAR MOONPHASE**—It tells the seconds, minutes, hours; the day, month, date and phase of the moon. Gold-filled case, $99.50. In 14K gold case, $150.

*WORLD'S MOST EXCEPTIONAL WATCHES* **LE COULTRE** *WORLD'S MOST EXCEPTIONAL CLOCKS*

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# Need a Gift for a Boy?

See Kaynee's Christmas-gift boys' wear in boxes that glitter with a golden touch!
Give them with pride—
you'll delight any boy!

CHOOSE FROM
Kaynee
GOLDEN GIFT PACKAGES



LIKEDADS Shirt Set of fine white broadcloth. Sparkling bow tie and gold metal links for the French cuffs. About $2.98

C

B

A

A. LIKEDADS tattersall-checked broadcloth shirt with bow tie and links. About $2.98.
B. Authentic Western in chambray, piped in contrast, with a ready-made gambler's tie. About $3.98.
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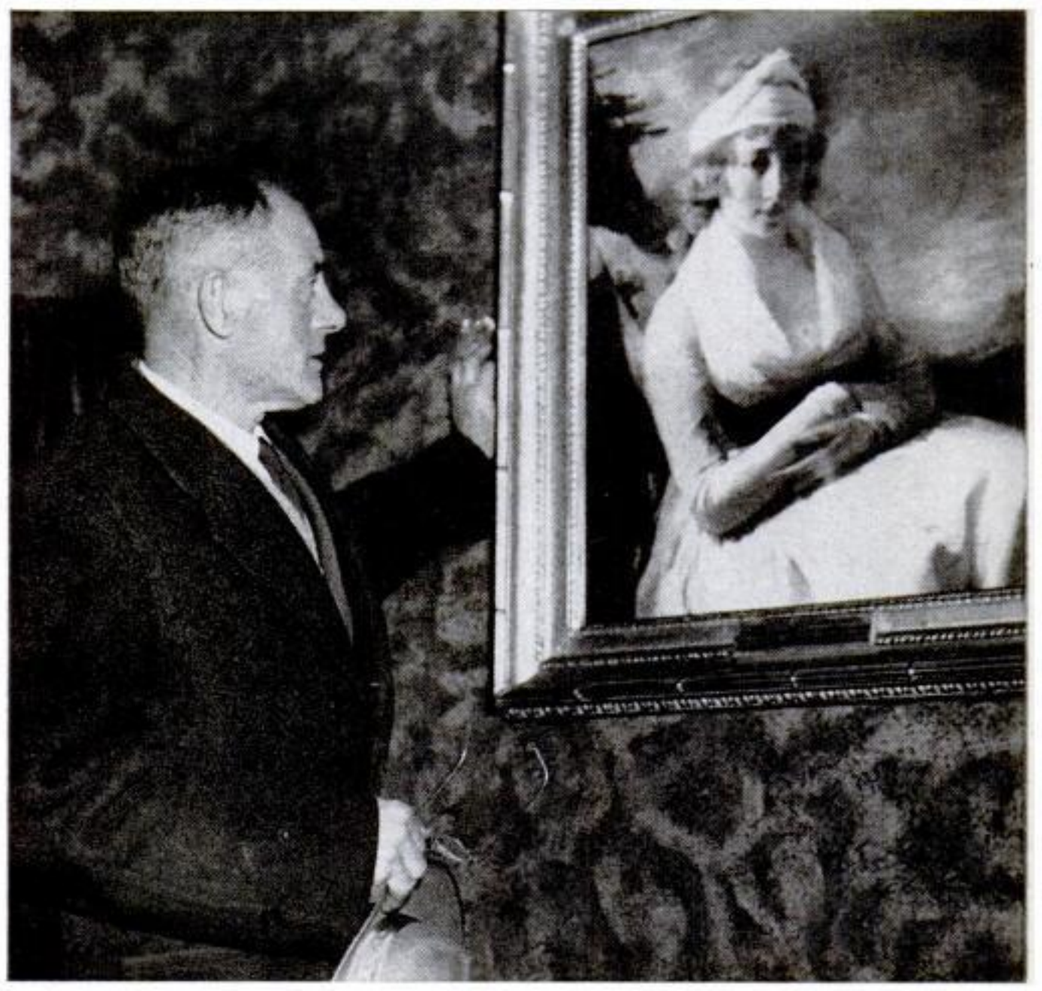
In Wee Men and Boy's sizes. Sanforized—Less than 1% residual shrinkage.

*See them wherever fine boys' wear is sold*

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**THE FAMILY GHOST** was found in Edinburgh's museum. She is Jacobina, wife of the sixth baron, reported to wander whitely about Mochrum Park.



**WEARING CLAN KILT,** borrowed from Malcolm Dunbar, a relative, Sir Adrian, born in England, looks very much part of the Scottish landed gentry.



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# New! Pillsbury Angel Food Cake Mix

***Contains the whites of 13 Country-Fresh Eggs.*** ***Water is all you add.***




***The rare occasion cake now an "anytime" cake. Fine Angel Food now easily made from this mix.***

A big, beautiful homemade angel food that rivals the finest you ever tasted! And it's as simple and sure as anything you ever put your hand to.

**Complete**—Everything is in the package, including the whites of 13 country-fresh eggs in easy-to-whip form. No eggs to separate. No yolks left over.

**Water is all you add.** Easy directions on the package.

**Costs 25% less** than the average fine home-recipe angel food cake and takes one-half the time. Hard for some people to believe—until they bake one.

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*Before Christmas—*

# Better See




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# Motorola TV

*–and Motorola Radios, Too!*




## See Motorola TV with *Double-Power* Picture . . . Hear Motorola Radio with Extended Tone Speaker

This year give your loved ones a gift that gives more than money can buy—happy hours at home for every member of the family. Give them the *best entertainment values in modern television and radio!* Let your Motorola dealer show you Motorola TV—with brilliantly clear Double-Power Picture, made possible by the mighty "Pictron" Power Unit, and dependable "Concentrated Power" chassis. Hear Motorola's GOLDEN VOICE sound. And better see Motorola radios, too—with amazing sub-miniature tubes and new Extended Tone speakers. Stop at your Motorola dealer's now. He'll help you select the perfect gift for your home—and family!

1 24" screen TV—24K3W, $399.95
2 17" screen TV—17T13, $179.95
3 21" screen TV—21K12W, $299.95
4 21" screen TV—21K14M, $399.95
5 Clock-radio—53C, from $29.95
6 24" screen TV—24K2, $550.00
7 Radio-phonograph—53F2, $99.95
8 TV-Combination—21F5M, $595.00
9 21" screen TV—21K17B, $349.95
10 Porta-Clock Radio—53LC, $44.95
11 21" screen TV—21T10, $229.95
12 27" screen TV—27K3, $675.00
13 Table Radio—53H, from $24.95

TV prices include full year warranty on *all* parts, tubes and picture tube. All prices include Federal Excise Tax. Subject to change without notice . . . Slightly higher South and West. © 1953, Motorola Inc. "Golden Voice" Trade Mark—Reg. U. S. Pat. Off

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WORLD'S LARGEST EXCLUSIVE ELECTRONICS MANUFACTURER

Motorola 25 1928-1953 A QUARTER CENTURY OF ELECTRONICS PROGRESS

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# Only **Bretton** gives you a lifetime of beauty...

## and the all-time perfection of *Fluid-Spring* construction



Style No. 1276—$11.95



Style No. 1269—$12.95



Style No. 4015—$9.95



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Bretton's magnificent watch band fashions enhance every watch
...and give you precision-engineered Fluid-Spring construction
for a quality of fit and comfort found in no other band.

From $5.95 to $50.00...available in the colors of yellow and white gold
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Style No. 1232—$6.95



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Style No. 1276 ID—$14.95




*Yours at no extra cost—*
the multi-purpose
Night-Time Stand*
with every Bretton De Luxe Watch Band.

*Patent pending




Write for the name of your nearest Bretton dealer. **BRUNER-RITTER, INC.,** 630 Fifth Avenue, New York 20, N.Y. We are prime contractors in the defense effort.

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# LIFE ON THE NEWSFRONTS OF THE WORLD

## Nixon urges Japan to arm; British win islands

In Tokyo, globe-trotting Vice President Nixon last week candidly admitted the U.S. committed a grave blunder after defeating Japan. We "made a mistake," he said, in urging Japan to get along without an army or navy. "We misjudged the intentions of the Soviet. The U.S.," he added, "cannot do the job alone. . . . Japan must work with free nations, maintaining adequate strength." Tokyo newspapers seized on the admission of error, gave it a big play. But they showed little enthusiasm for the idea Nixon was promoting: rearmament for Japan.



WICKS EARLY



WICKS LATE

**When the New York State legislature met last week, Acting Lieut. Governor Arthur Wicks, senate president who became famous for his jailhouse visits to Labor Czar Joey Fay (LIFE, Oct. 12), defied Governor Dewey and cockily refused (*above left*) to quit his job. But G.O.P. senators closeted themselves with Wicks, trying to change his mind. After almost two days, Wicks grew weary (*above right*) and glumly resigned.**

### Samish is snared

Senator Kefauver tried in 1951 to pin some wrongdoing on fat, wily liquor lobbyist Artie Samish. It was common talk Samish spent up to $1 million on California elections and he boasted he was "the secret boss" of the legislature. Kefauver gave up, saying Samish was a "combination of Falstaff, Little Boy Blue and Machiavelli, crossed with an eel." Last week the federal forces netted the eel. Samish was convicted of income tax evasion, faces as much as 40 years in jail.

*The International Court of Justice at The Hague settled a thousand-year-old tiff between France and England. The court ruled that old French claims to the tiny, sparsely inhabited islands of Minquiers and Ecrehous, 15 miles from France, were not convincing. So the barren, sea-swept rocks and reefs, which are used mainly as markers for lobster-fishing spots, are officially British soil.*

### 3-D eyes for justice

In the old county courthouse in Clairemont, Texas, where bats often fly above the judge's head, 12 jurymen were chambered to hear a multimillion dollar lawsuit over some bottom land. To learn more about the property, the jury, along with the judge and court reporter, donned paper-rimmed spectacles, watched extra-dimensional color slides and gave onlookers a glimpse of justice's new look for a 3-D age.



JURORS AND COURT REPORTER STARE THROUGH THEIR 3-D GLASSES


THE MOST TREASURED

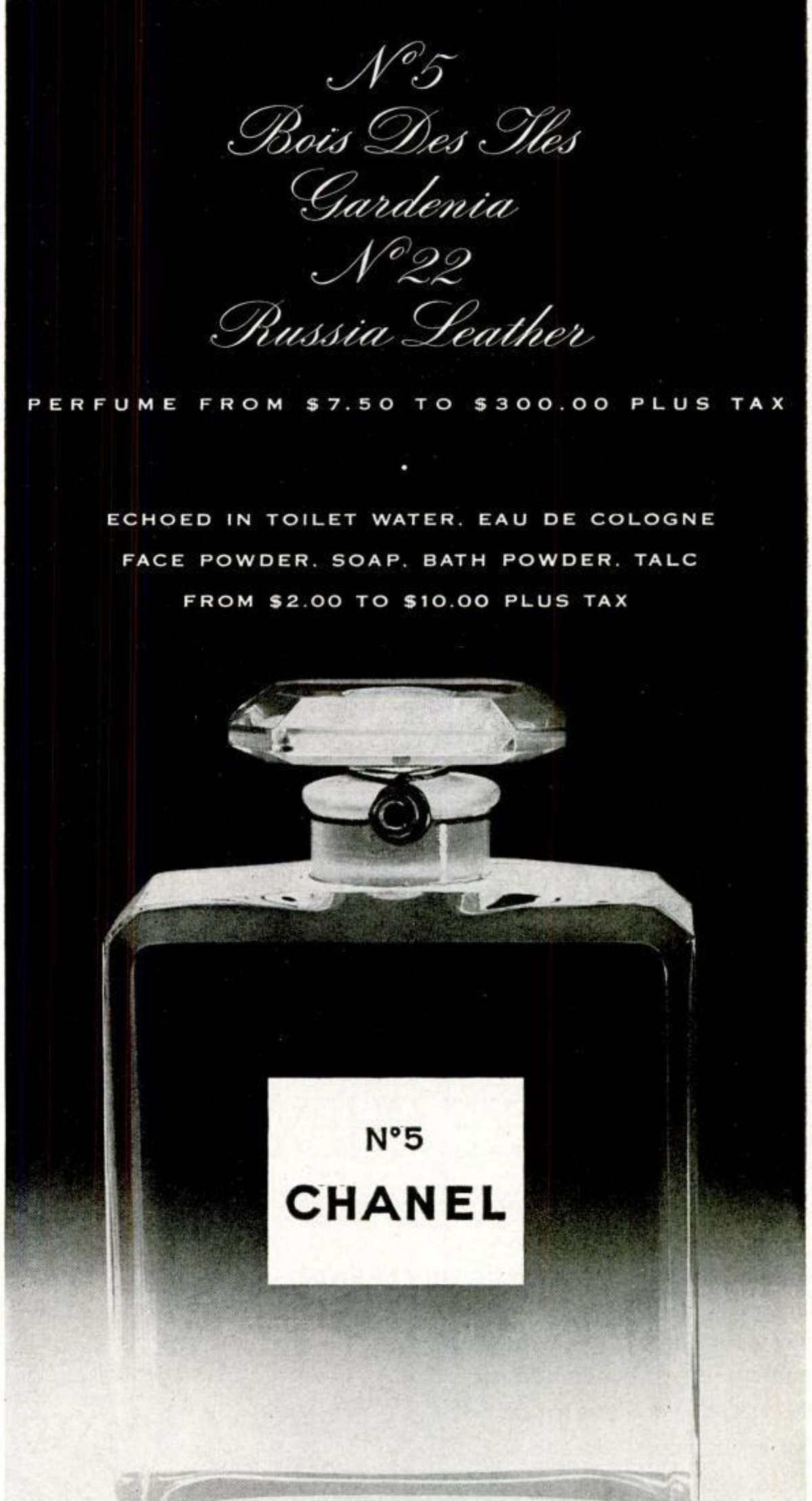
Gift

FIRST IN THE HEART OF A WOMAN—
FIRST IN THE MIND OF A MAN

N°5
Bois Des Iles
Gardenia
N°22
Russia Leather

PERFUME FROM $7.50 TO $300.00 PLUS TAX

ECHOED IN TOILET WATER. EAU DE COLOGNE
FACE POWDER. SOAP. BATH POWDER. TALC
FROM $2.00 TO $10.00 PLUS TAX




THE MOST TREASURED NAME IN PERFUME

CHANEL




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They had their BITE SIZE CHEX today!

(How about you?)

**THERE IS A DIFFERENCE IN CEREALS**

No other cereal, flaked or puffed, gives you so much honest-to-goodness nourishment in such concentrated Bite Size form. Delicious? Yes. Crisp? Down to the last bite. But best of all is the wonderful ready-for-anything feeling you have after a Bite Size Chex breakfast. Don't miss it. Start tomorrow.




*RALSTON PURINA COMPANY, St. Louis, Mo.*






THREE DAYS AFTER THE MURDER MRS. WELLS RESTS IN FRIEND'S HOME.

# THE CASE OF THE

Near dawn of Oct. 17 Diane Wells, a striking 31-year-old blonde, pounded on a neighbor's door in Fairbanks, Alaska and staggered in, beaten, bloody, hysterical. Police found Mrs. Wells's 51-year-old husband Cecil, wealthy General Motors distributor, in bed with a bullet hole in his head. Two intruders, Mrs. Wells sobbed, had knocked her unconscious with flowerpots, then killed her husband. Police did not question her statement. Then they got tips about Mrs. Wells and a

**DIANE, REPORTER SHOW HOW THUG HELD HER AS OTHER KILLED CECIL**



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BOTH EYES ARE STILL BLACK, HER FACE IS CUT AND HER JAW IS SWOLLEN

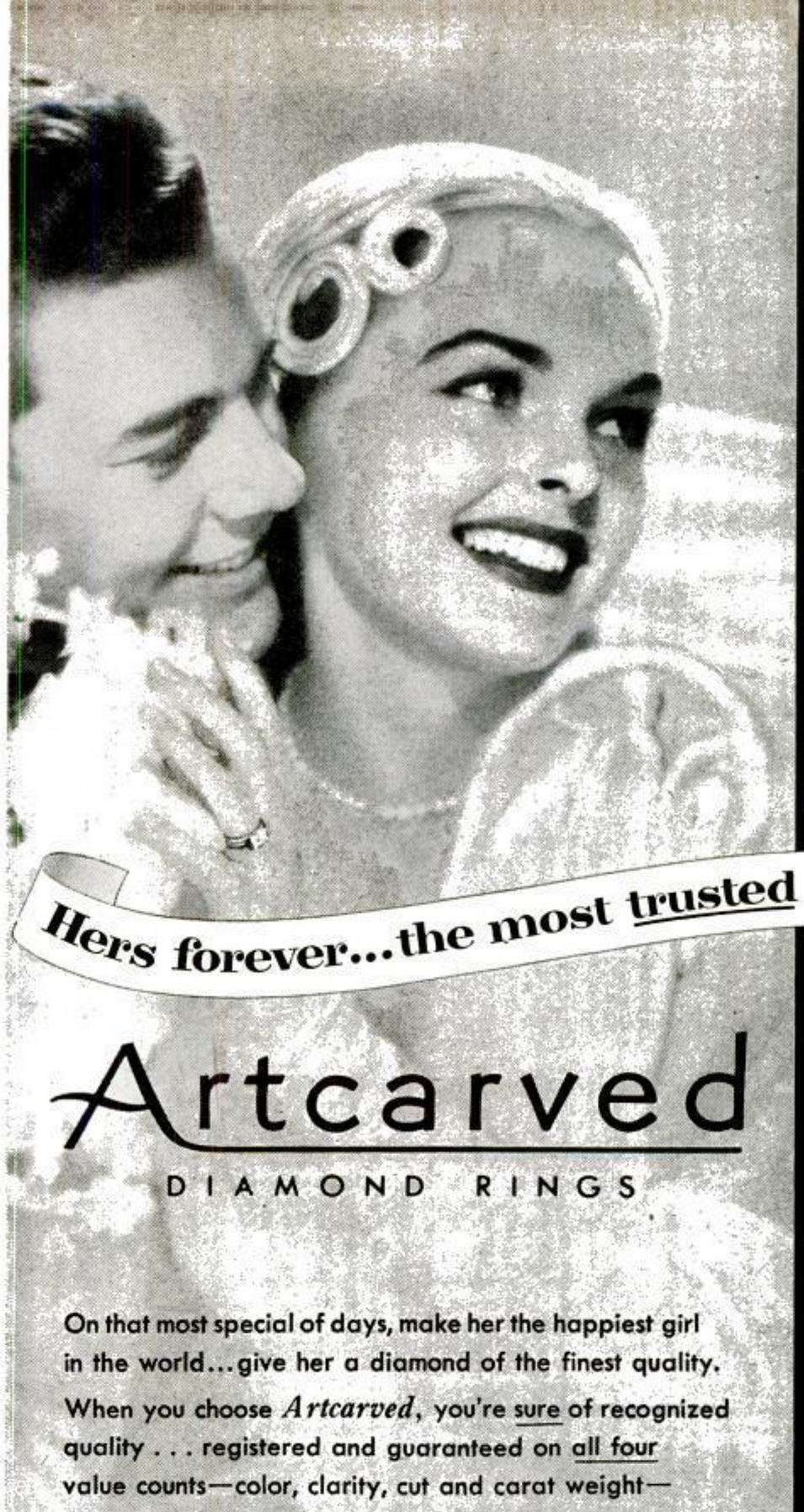
# BEAT-UP BLONDE

Negro drummer, Johnny Warren, 33, who left for California the morning of the murder. Arrested there, Warren said Mrs. Wells flirted with him while dancing with her husband at the Fairbanks Golf and Country Club. They met later, he added, and an affair began. Mrs. Wells admitted seeing Warren, denied the affair. As the Fairbanks grand jury indicted both Mrs. Wells and Warren for the murder of Wells, a puzzle remained: who if not thugs beat up Diane Wells so viciously?

DIANE AND THE REPORTER SHOW HOW THUG HIT HER WITH FLOWERPOT



CONTINUED ON NEXT PAGE

Hers forever...the most trusted diamond

Artcarved

DIAMOND RINGS

On that most special of days, make her the happiest girl in the world...give her a diamond of the finest quality.

When you choose *Artcarved*, you're sure of recognized quality . . . registered and guaranteed on all four value counts—color, clarity, cut and carat weight—by one of the world's oldest and largest ringmakers, famous for 103 years. You're sure of unequaled value, too, because every step in the making of *Artcarved* rings is controlled by *Artcarved's* own skilled jewelry craftsmen.

Beautiful *Artcarved* rings are sold at nationally established prices by leading jewelers. Look for the name *Artcarved Gem-Diamond** or *Artcarved-Woodcrest*,* in your ring, on the tag.

When you visit your jeweler, ask to see his superb collection of *Artcarved* wedding rings . . . distinctively styled and guaranteed for a lifetime as a result of *Artcarved's* exclusive method of hardening the precious gold. Diamond ring prices from $75 to $10,000. Wedding rings from $8.00.

*TRADE-MARK REG.



BRUNSWICK SET
Engagement Ring $500.00
Also $300.00 to $5,000
Wedding Ring $100.00



SHERATON SET
Engagement Ring $200.00
Also $100.00 to $1,500
Wedding Ring $46.25
Groom's Ring $69.50



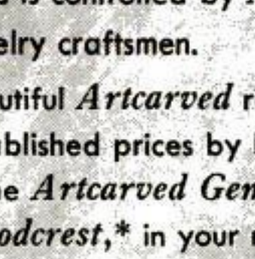
"FLOWER OF LOVE"
MAY BLOSSOM SET
Groom's Ring $45.00
Bride's Ring $39.50



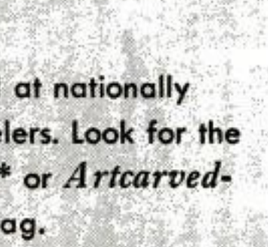
CANTERBURY SET
Engagement Ring $450.00
Also $75 to $8,000
Wedding Ring $10.00
Groom's Ring $16.00



"FLOWER OF LOVE"
HYACINTH SET
Groom's Ring $50.00
Bride's Ring $42.50



BEEKMAN SET
Engagement Ring $150.00
Also $100.00 to $950.00
Wedding Ring $87.50



CASABLANCA SET
Engagement Ring $300.00
Also from $110.00 to $600
Wedding Ring $125.00



CORDOVA SET
Engagement Ring $175.00
Also $150 to $1,500
Wedding Ring $100.00

**FREE!** For a complete guide on wedding etiquette, "Silent Secretary for Bride and Groom," and informative booklet, "How to select Your Diamond Ring," ask your nearest *Artcarved* jeweler. Or write to J. R. Wood & Sons, Inc., Department L-4, 216 East 45th Street, New York 17, N. Y. Prices include Fed. Tax. Rings enlarged to show detail. Diamond rings shown available in 14K white or yellow gold.

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*Beloved by brides for more than a hundred years (1850-1953)*

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EMERSON 21" SCREEN "SPACE-SAVER" MODEL 740




"PATENT APPLIED FOR"

# Now! A TV Picture So Clear, So Deep

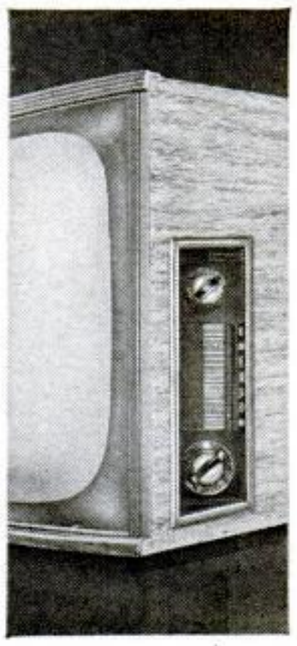
## ...you'll think you're at the movies!

**FOR CHRISTMAS: 21-INCH "SPACE-SAVERS"**
The *largest* picture in the most *compact* cabinet! And only Emerson has it!

**READY NOW! AMAZING CINEVISION SCREEN!**
As radical a TV advance as 3-D is in movies. The *deepest* picture; the highest fidelity to sound in TV history!

**SHARP AS A MOVIE, EVEN IN FRINGE AREAS!**
Emerson's Dynapower Chassis *blocks out* interference. Miracle Picture Lock holds the picture steady, *all the time!*

**READY NOW FOR UHF! BUILT-IN ANTENNA!**
Choose from 44 distinctive models, priced as low as... **$149.95**
*(Slightly higher in South and West)*



**THE SECRET!**
Emerson's revolutionary *side controls* make the Space-Saver cabinet possible.
The front is all screen! A *full* 21" picture in the slimmest, trimmest cabinet, *ever! All wood,* in blonde, mahogany, and other fine finishes.

Emerson Television and Radio ®REG. U. S. PAT. OFF.

# Emerson

EMERSON RADIO & PHONOGRAPH CORP., N.Y., U.S.A.

*America's Best Buy! Over 14,000,000 satisfied owners*



## Case of the Blonde CONTINUED



**THREE SIDES OF TRIANGLE** were present at banquet for Senators holding hearings on Alaska statehood, given at club where Warren played in band. Mr. and Mrs. Wells are under arrows (*left*) and Warren on bandstand under arrow (*right*). At head table, left to right: Senators Frank Barrett (R., Wyo.); Henry Jackson (D., Wash.); Hugh Butler (R., Neb.); master of ceremonies; Delegate E. L. Bartlett (D., Alaska); and Senator Clinton Anderson (D., N.M.).



**HUSBAND** Cecil was head of the All-Alaska Chamber of Commerce.



**LOVER** Johnny worked in a grocery days and played drums nights.




**FREE BUT FEARFUL,** Diane keeps chain on apartment on floor below one where husband died. She is afraid thugs she said killed husband may return.

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*Comfort and joy are knit*
*into this wonderful Christmas idea . . .*

# MUNSINGWEAR "LOOK-ALIKE" PAJAMAS



**Balbriggans . . . beautifully matched for mother and daughter . . . handsomely teamed for father and son** "Look-Alike" Balbriggan Pajamas can solve your family Christmas gift problem beautifully! Munsingwear has knit snug sleeping comfort for chilly nights . . . and joyous relaxation for when your gang just wants to lounge. Of pure combed cotton in dye-fast colors . . . they will resist shrinking, sagging, stretching. In fact, they are . . .

***knit for permanent fit!***

*younger set* $3.50 *mom and dad* $4.95

*Mother-Daughter, Father-Son styles in a variety of color combinations and sizes to fit the family.*

Munsingwear®

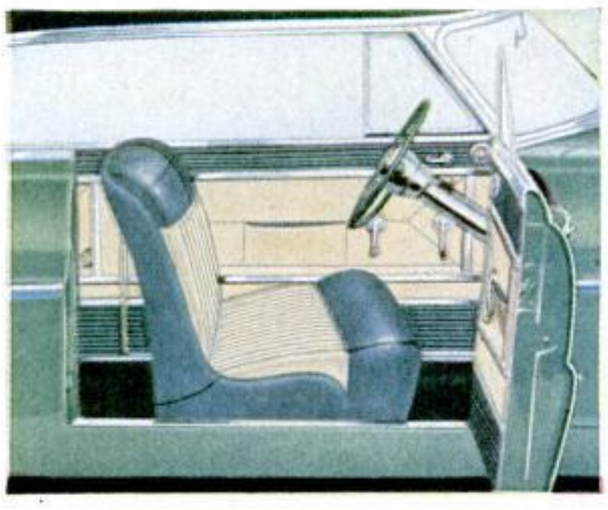
(3) NYLON STOCKINGS • LINGERIE • FOUNDETTES®
MEN'S & BOYS' UNDERWEAR, SPORTSWEAR, SOX

Write Munsingwear, Inc., Minneapolis, Minn., for the stores nearest you.

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1954

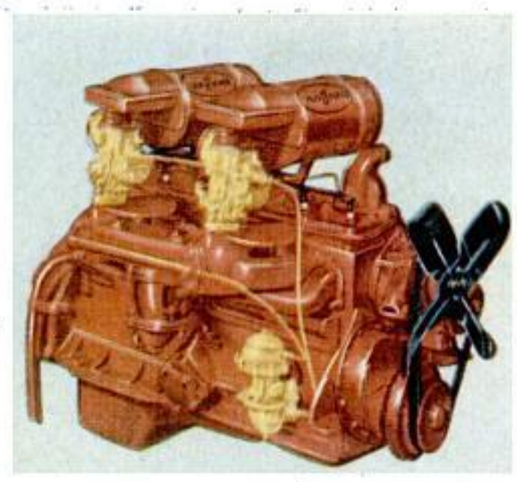
NEW



### Flight-Line Styling and Salon Lounge Interiors

Hudson for '54 is all new, with sleek, sweeping lines that are as dynamic as they are beautiful . . . with gorgeous new interiors that feature deep, soft contour-fashioned seats, and a wide choice of rich Plasti-Hide, Bedford Cord or worsted upholstery, styled with decorator care.

NEW



### Instant Action Engines With Super Induction

On the highway or in traffic, when you step on it in a Hudson, something happens, *instantly!* It answers with a *surge* of power. That's its Instant Action Engine with Super Induction, another Hudson *first*. Combined with Twin H-Power* it gives performance beyond *anything* you've known.

NEW



### Perfected Power Steering Improved Power Brakes

Hudson's Power Steering* with true Center-Point mounting brings you the easiest control of any car—while preserving that all-important "feel of the road." Hudson's improved Power Brakes* require no more effort to operate than does the accelerator. Just try them!

*Optional at extra cost on various models. See your Hudson Dealer for complete information.




*Magnificent 1954 version of the Hudson Hornet Hollywood Hardtop*

# Exciting new leads parade of

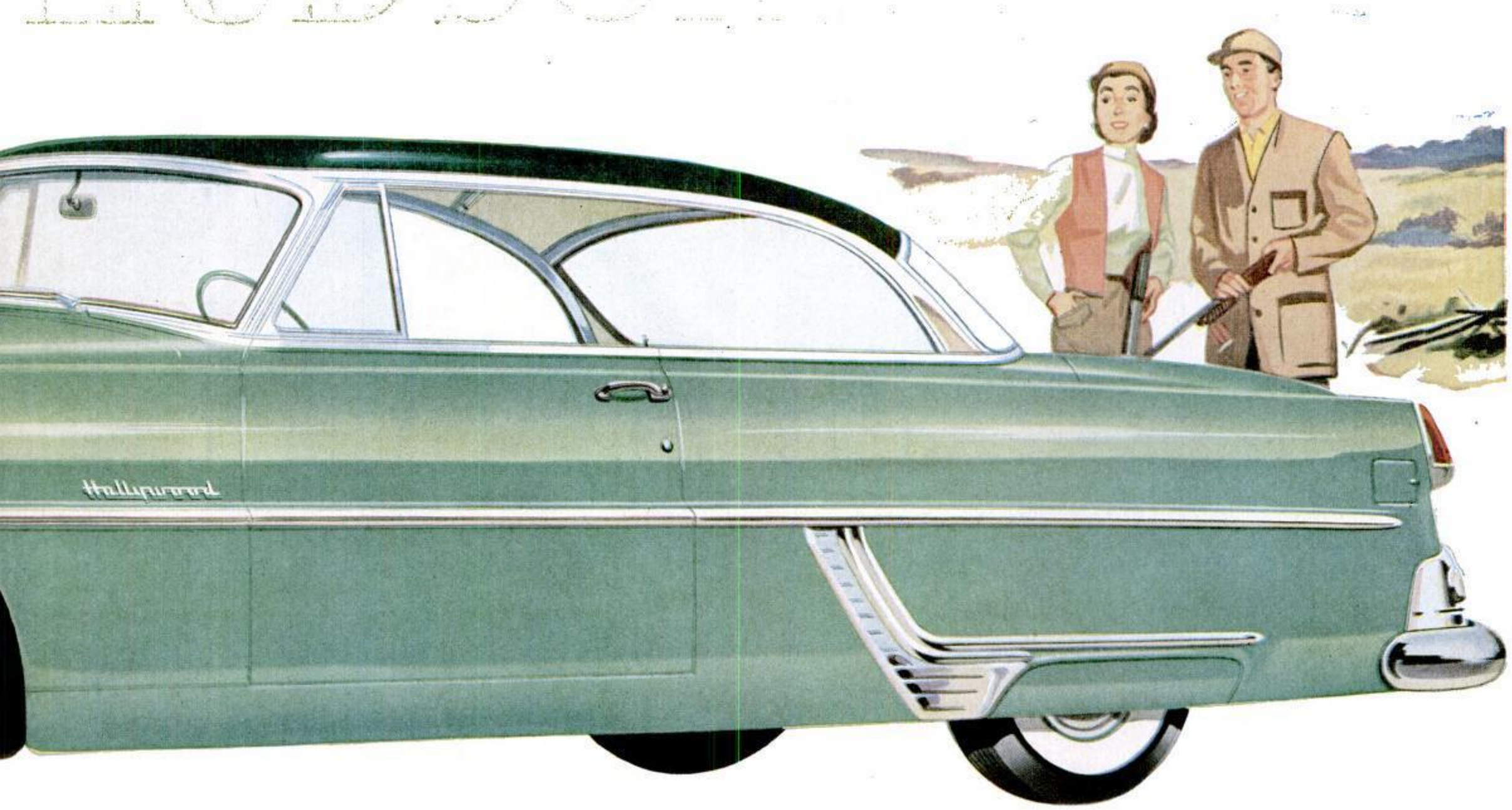
THE SWING is to Hudson! People everywhere are looking at—trying and buying all-new Hudsons for 1954!

They're excited about Hudson's new exterior styling, new and luxurious interiors. They're thrilled with Hudson's new Perfected Power Steering*, Improved Power Brakes*, and new engine response such as they've *never* known before!

What's more, people are amazed that this new power is so practical—so usable. For Hudson's exclusive "step-down" design provides a truly low center of gravity—makes driving any of these lovely Hudsons the most exhilarating, the safest motoring imaginable.

Come, see Hudson! You'll find there's a 1954 model in any price field you choose, including the lowest price field. And you'll get performance in each of these fields that is, frankly, comparable only to that of the fabulous Hornet itself. Better come, see and admire—and *try* the Hudson of your choice, at your dealers', soon!

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*Introducing Instant Action Engines with Super Induction!*

# HUDSON HORNET

## beautiful all-new Hudsons to national acclaim !

Standard trim and other specifications and accessories subject to change without notice.

## Famous Running Mates of the Hornet

**NEW HUDSON**

***JET***

Hornet-like performance in the lowest price field. A compact, economical car, easy to handle, yet with ample room for six.

**NEW HUDSON**

**WASP**

Smash hit in the low-medium price field: greater power and glamour at a lower price for this companion to the Hornet.

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RIDING TOSCA, AN 8-YEAR-OLD GRAY MARE, PATRICIA SMYTHE OF ENGLAND CLEARS SPREAD JUMP ON WAY TO WINNING THE PRESIDENT OF MEXICO TROPHY

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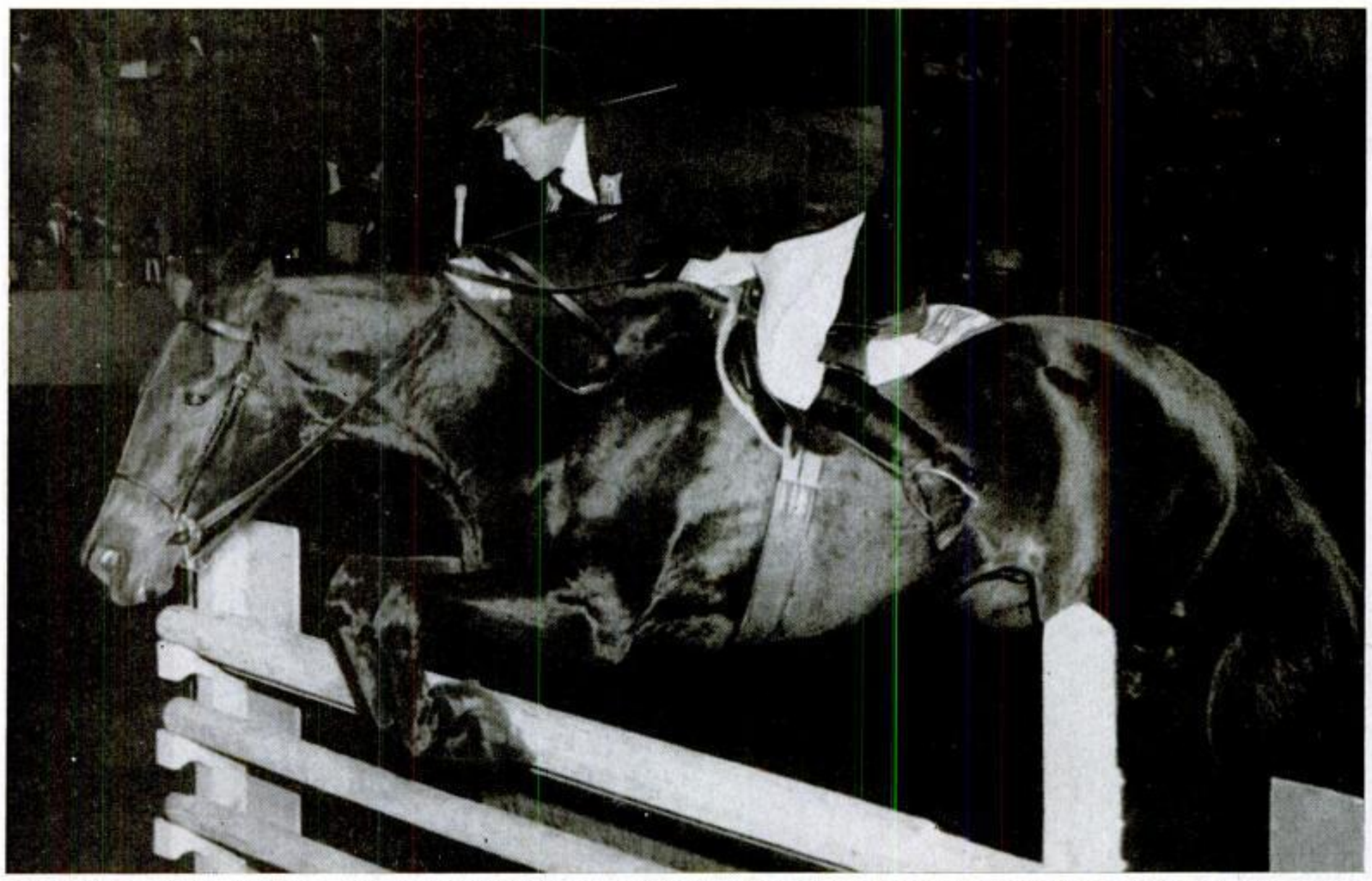
CANADA'S SHIRLEY THOMAS ON A PALOMINO GRACEFULLY SKIMS BARS IN GOOD WILL TROPHY WHICH SHE WON

# GIRLS STEAL THE HORSE SHOW

## Pretty lady riders beat the men on even terms in international jumping

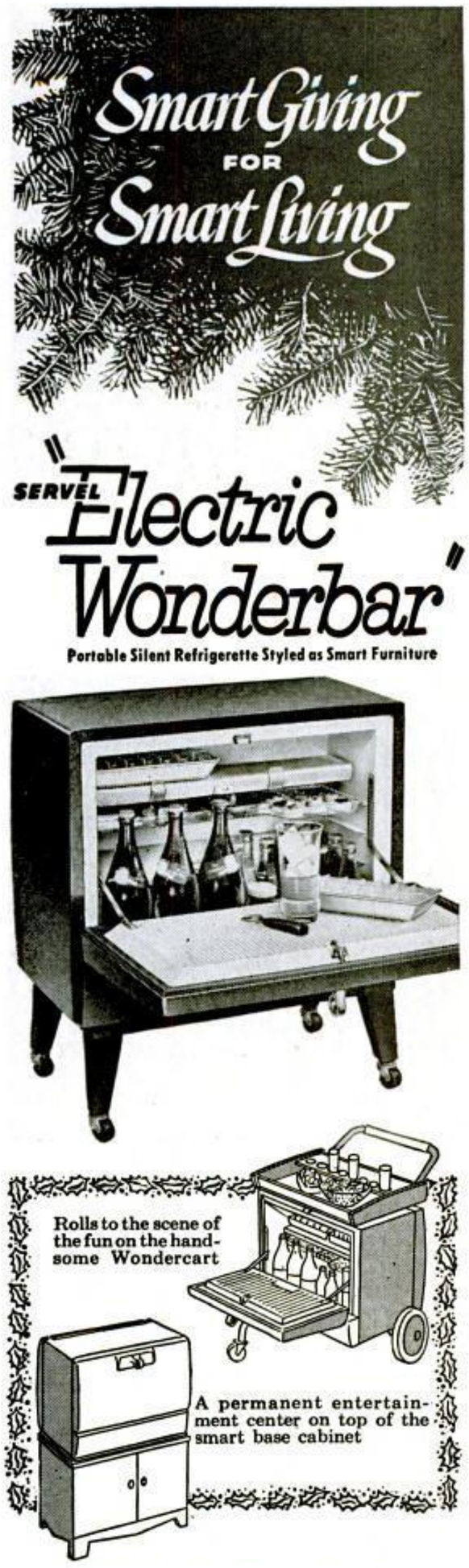
On opening night at the National Horse Show in New York the crowd sat back on its well-dressed haunches in amazement. All the men competing for England, Ireland, Canada and the U.S. in the Good Will Trophy had been eliminated. The two survivors in a jump-off for first place were women, Canada's blond Shirley Thomas, 18 (*above*), the winner, and England's prim Patricia Smythe, 24 (*opposite page*).

Horse Show tradition had not taken such a beating since the sidesaddle went out. As the show went on, a Kansas City housewife, Mrs. Carol Durand (*below*), mother of two children, joined the parade that put the dominant male to shame. All three women were bona fide members of their country's international jumping team, taking man-size obstacles on even terms with the men. After the girls had won four trophies, Miss Thomas explained it all. "Girls," she said, "have more patience and more grace than men."



AMERICA'S CAROL DURAND, SHOW'S SPECIAL STAR, TAKES MOUNT OVER JUMP IN SECOND OF HER TWO VICTORIES

CONTINUED ON PAGE 62


WHAT a *thoughtful* gift it is! A refreshment center . . . snack spot . . . and portable refrigerette-bar! The perfect servant at your elbow! What a *handsome* gift it is! Superbly styled to grace any setting . . . at home anywhere . . . it's famous for gay hospitality! What a *practical* gift it is! Makes ice cubes . . . chills sodas, mixers, drinks and food. The ideal companion for watching TV . . . it holds a party full and more!

5-year warranty on silent freezing system, no motor! Just plug in—AC-DC, 12 to 230 volts. Mahogany, blond, or white . . . or paint to match any color. Mahogany legs, Wondercart, or cabinet base, optional. Wherever fine appliances are sold!

Servel

The name to watch for great advances in
REFRIGERATION and AIR CONDITIONING

Servel Inc., Evansville 20, Indiana
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# Do your Christmas shopping here and now

## "Victrola" phonographs

**"45" players**

"Victrola" 45—the one-speed record players that let you hear *every* type of music recorded today—from "pops" to the classics! And they're completely automatic!



**"Victrola" 45** automatic attachment—can play through radio or TV set. 45J2, $16.75



**"Victrola" 45** automatic portable phonograph. Lightweight! AC operation. 45EY3, $49.95



**17" Denham.** Grained mahogany finish (grained oak extra). 17S360, $279.95



**21" Barton.** Ebony finish. 21S353. Only $239.95! Matching stand extra.



**21" Talbot.** In grained mahogany finish, oak extra. 21S362, $299.95



**21" Fort Knox.** Superb styling. Grained mahogany finish (grained oak extra). 21S367, $329.95



**21" Hayward.** "Free style" goes with any room! Mahogany finish (limed oak extra). 21T364, $389.50



**21" Preston.** Rich "inlay" design, mahogany finish (limed oak finish extra). 21T372, $419.50

## RCA Victor Television with Rotomatic Tuning

It's all automatic! Just turn one knob—CLICK!—there's your picture—accurate over the *entire* screen. Let your RCA Victor dealer *show* you what Rotomatic Tuning can do. And for expert TV service, ask about an RCA Victor Factory-Service Contract.

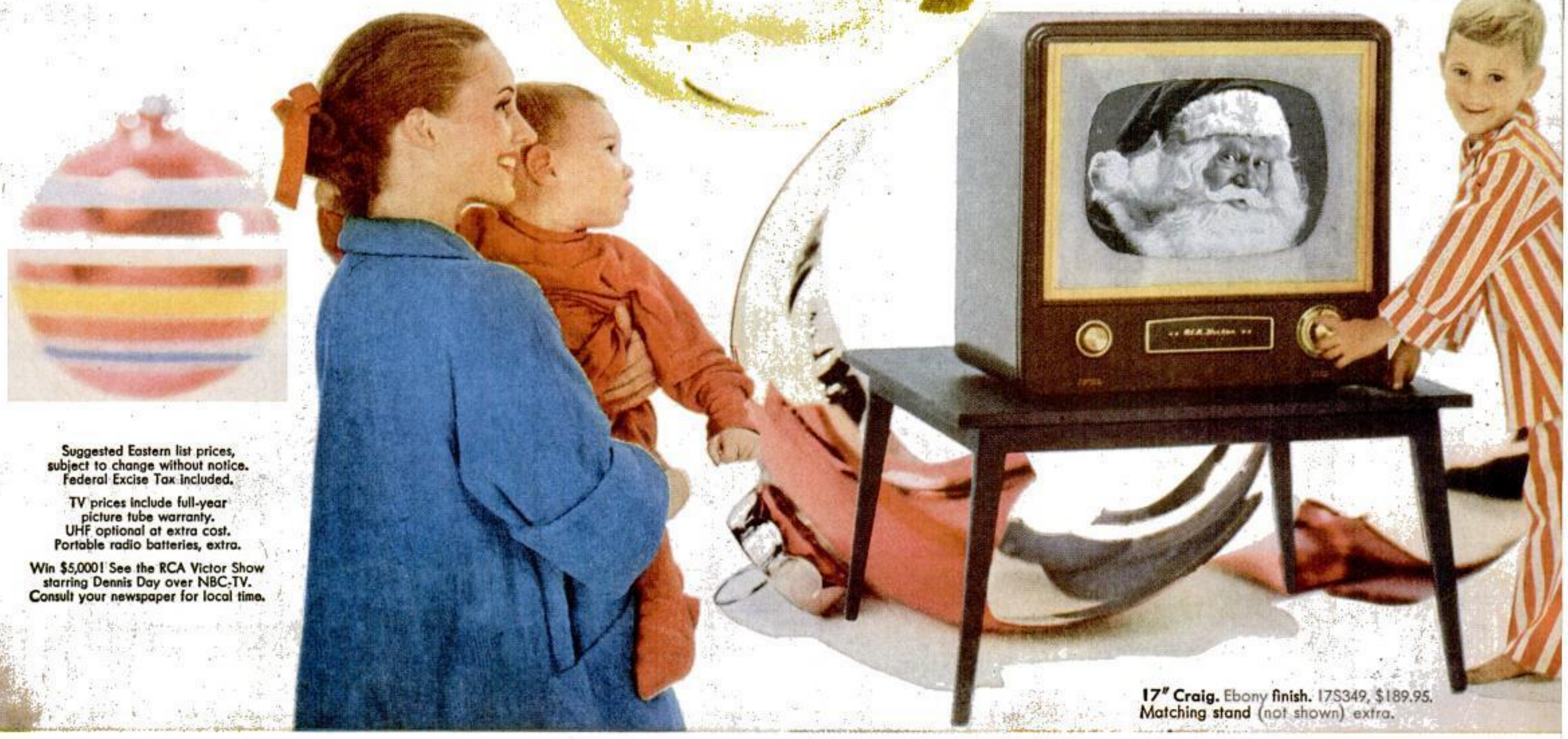
## RCA Victor Radios, portables and clock-radios

Powerful, new RCA tubes make RCA Victor radios smaller than ever, sound better than ever...a better buy than ever! Widest choice of colorful styles.



**The "Quincy."** Compact, lightweight, powerful! "Golden Throat" tone. 3X521, *only* $19.95!

# There's an RCA Victor "Gift that



Suggested Eastern list prices, subject to change without notice. Federal Excise Tax included.

TV prices include full-year picture tube warranty. UHF optional at extra cost. Portable radio batteries, extra.

Win $5,000! See the RCA Victor Show starring Dennis Day over NBC-TV. Consult your newspaper for local time.

**17" Craig.** Ebony finish. 17S349, $189.95. Matching stand (not shown) extra.

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**"Victrola" 45** automatic table phonograph. Large, extra-sensitive speaker. 45EY4, $49.95



**"Victrola" 45** radio-phonograph. AM radio, "45" automatic changer. 9Y510, $69.95

**3-speed players**

"Victrola" 3-speed—featuring the "Slip-On" spindle for "45". Plays all your records easier, *automatically!* Up to five hours of music at the touch of a button!



**"Victrola" 3-speed** attachment. Can play any record through radio or TV set. 2JS1, $49.95



**"Victrola" 3-speed** automatic phonograph. Up to five hours of music! 2ES31, $69.95



**"Victrola" 3-speed** portable phonograph. AC operation. Smart luggage styling. 2ES38, $99.95



**"Victrola" 3-speed** radio-phonograph. Mahogany, walnut finish (limed oak extra). 2US7, $129.95



**21" Powell.** Full-length doors. Mahogany, mahogany-cherry, or maple finish. 21T373, $439.50



**21" Chadwick.** Full-door Empire console in rich mahogany or warm walnut finish. 21T375, $439.50



**21" Deluxe Talmadge.** Extra tubes! Mahogany finish (limed oak extra). 21D368, $395.00



**21" Deluxe Newport.** Swivel base. Walnut or limed oak finish. 21D378, $495.00



**21" Deluxe Beaumont.** Rich mahogany, maple or mahogany-cherry finish. 21D380, $525.00



**27" Deluxe Copeland.** Giant screen! Has exclusive Definition Control. Mahogany, walnut finish. 27D383, $700.00



**"Strato-World" portable radio.** AM plus world-wide short wave. 3BX671, $139.95



**Super "Personal" portable,** shown below. Only 6" high! 2B400, $29.95



**"Townley."** Powerful AM/FM radio. 2XF931, $67.50

**"Personal" table radio.** 2R51, $29.95



**"Personal" clock-radio.** Clock size! Four colors. 2C511 Series, $39.95

## *High Fidelity "Victrola" phonographs*

Now a thrilling new achievement in sound reproduction—priced for everyone to enjoy! Brings you the "hidden" music on your records you've never heard before.



**High-Fidelity "Victrola"** table phonograph. Mahogany finish (limed oak extra). 3HES5, $139.95



**High-Fidelity "Victrola"** console phonograph. Mahogany, walnut finish (limed oak extra). 3HS6, $275.00

# Keeps on Giving" for everyone!



"Victrola" 45 automatic table phonograph. 45EY2, $34.95

RCA VICTOR Tmks. ® Division of Radio Corporation of America

WORLD LEADER IN RADIO...FIRST IN RECORDED MUSIC...FIRST IN TELEVISION

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**Will there be a fire chief at *your* house this Christmas?**

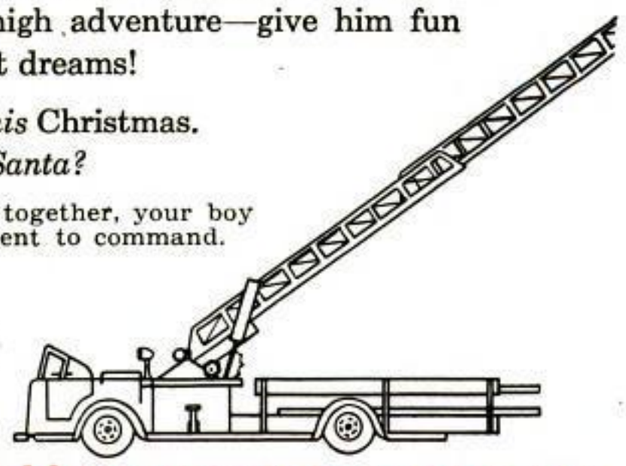
Most boys have longed to be a fire chief, and surely *your* boy has, too. Here, then, are the perfect toys to help fulfill this yearning.

Precision-built to exact scale specifications, these streamlined Model masterpieces are the finest fire-fighting toys in the world—authorized working models of the famous American-LaFrance engines your boy has often watched in breathless wonder. They're massive and rugged—exciting to see and handle! And best of all, they *really work just like the big machines!*

These are the toys that could take your boy into realms of high adventure—give him fun beyond his wildest dreams!

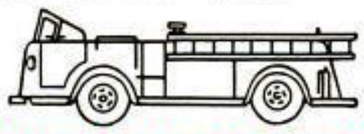
Maybe he'll get one *this* Christmas.
*How about it, Santa?*

With the Ladder and Pumper together, your boy has a complete Fire Department to command.



***Model*** AMERICAN-LA FRANCE AERIAL LADDER

Cast aluminum extension ladder rises nearly four feet with "hydraulic" lifts — swings in all directions with extension jacks bracing truck. Steerable "knee-action" front wheels, dual rear wheels. Complete with two auxiliary ladders, bell and realistic searchlight. Weight, 11 lbs. **Fair Trade Price — $19.95.***



***Model*** AMERICAN-LA FRANCE PUMPER

Rubber hose connects to pump-operated tank — shoots powerful stream of water. "Knee-action" front wheels steer. Equipment includes fast action hose reel, ladder, hard suction hose, fire extinguishers and bell. Weight, 7 lbs. **Fair Trade Price — $15.95.***

*** 11 Western States — add $0.80.**

Model TOYS

*For free catalog of all Model Toys, write to*

THE CHAS. WM. DOEPKE MANUFACTURING CO., Inc.
ROSSMOYNE 6, OHIO

**THE TOYS YOUR BOY WILL NEVER OUTGROW**








**BLUE-RIBBON TRIO** of Carol Durand, Pat Smythe and Shirley Thomas get clubby on bale of straw during show. They all began to ride at same age: 4.



**BELLE OF BALL,** Canada's Shirley Thomas enjoys herself at annual Horse Show dance. Her partner is Captain Colm O'Shea of the Irish Army Team.

Copyrighted material

# "I take off my hat to the new Kodak gifts"... says Santa



You buy one gift and give the thrill of three. Because every Kodak camera is ① a black-and-white camera ② a color camera and ③ a flash camera. They spread happiness all through the year.

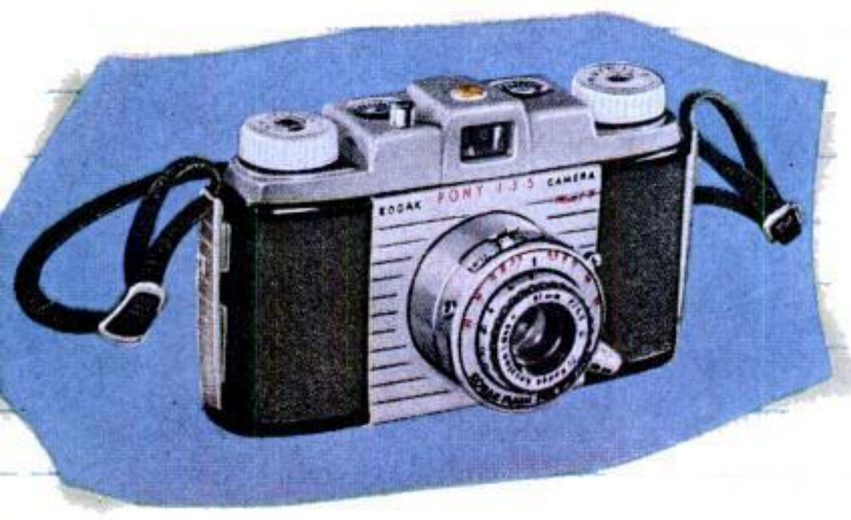



**Brownie Hawkeye Flash Outfit...**
Compact...camera, Flasholder, guard, film, batteries, lamps, $13.95. Camera only, $7.20

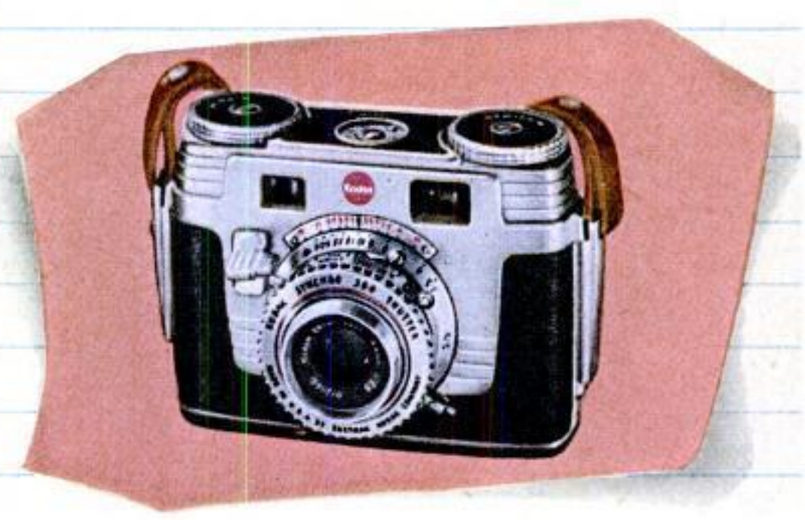



**Kodak Duaflex II Flash Outfit**
Features the camera that "previews" your picture... Flasholder, film, lamps, batteries, $21.95. Camera only, $14.50



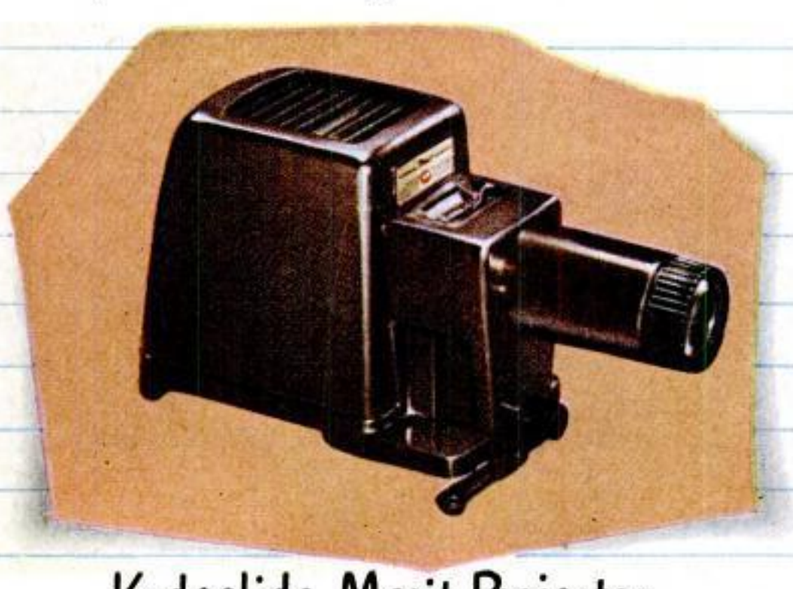



**Kodak Pony 135 Camera, Model B...**
Quality miniature for color slides or black-and-white snaps; 20 or 36 exposures, $36.75. Pony 828 takes 8 exposures, $31.15



**Kodak Signet 35 Camera...**
A superb miniature with rangefinder and Kodak's famous Ektar Lens. For finest color slides and prints, $92.50

**Brownie Flash Six-20 Camera**
A real "sharpshooter" with eye-level viewfinder. Takes wonderful snaps indoors or out. $13.35. Flasholder, $2.70



**Kodaslide Merit Projector...**
Bright life-size projection of color slides. Fine performance at a thrifty price, $26.10




**Kodacraft** Developing & Printing **Outfits**
Make picture taking twice the fun. 3 easy-to-use outfits, from $4.95



**Brownie Movie Camera**-Thrifty way to 8mm movies in full color and black-and-white, $39.75 and $49.50

See these...and many more Christmas suggestions...at your Kodak dealer's.

Prices include Federal Tax where applicable and are subject to change without notice.

Eastman Kodak Company, Rochester, 4, N.Y.

Kodak
TRADE-MARK

# World's most useful gift...

# GE CLOCK-RADIO

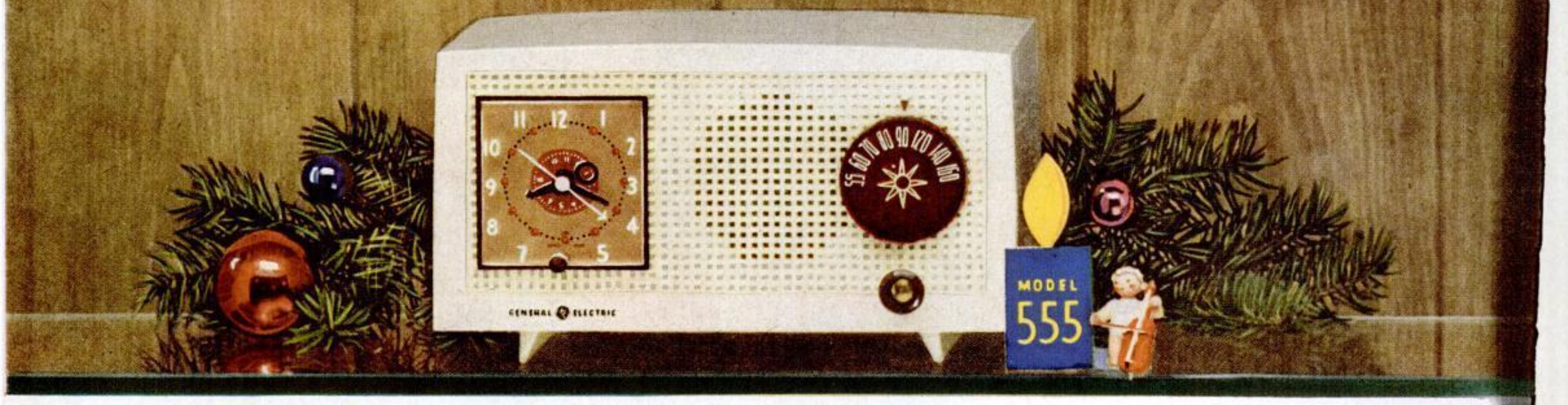
WAKES YOU TO MUSIC • TURNS ITSELF OFF • TURNS APPLIANCES ON OR OFF












General Electric Comedy Theatre presents **RAY MILLAND** in "Meet Mr. McNutley" on TV & Radio—CBS Networks—weekly

*You can put your confidence in* **GENERAL ELECTRIC**

Copyrighted material




# You'll be loved for giving the favorite Wake-up Radio!

**CHOICE OF COLORS...NO EXTRA COST...NEW MODELS FROM $27.95**



*Gift wrapped*  *ready for your card*

Why buck crowds? Do your Christmas shopping right here. Pick a G-E Clock-Radio—The World's Most Useful Radio—for everyone on your list. You'll be in their hearts every day of the year...every time they wake up to music...every time they listen to the fine-toned radio...or glance at the accurate electric clock. When you give G-E, you give the finest.

*General Electric Company, Radio and TV Department, Electronics Park, Syracuse, New York*

**Take this handy shopping list to your G-E Dealer...**

566 Green ☐
565 Red ☐
564 Ivory ☐

**Choice of three colors $36.95***

Contemporary styling—perfect for bedroom, kitchen or living room. Serves you round the clock. At night—lulls you to sleep, then turns itself off. Next morning—wakes you to music or news. All day long—reminds you of appointments, turns on your favorite programs.

561 Ivory ☐
560 Brown ☐

**Choice of two colors $32.95***

Modern streamlined design—modern nubby texture. Wakes you to music or news. Delayed action buzzer for extra sound sleepers. Turns on your favorite programs, automatically.

548 Red ☐
547 Ivory ☐
546 Mahogany ☐
549 White ☐

**Choice of four colors $39.95***

More than ever, the World's Most Useful Radio! New phono-jack at no extra cost—starts and stops your record player automatically. Now you can enjoy your favorite recordings whenever you like. Lulls you to sleep—shuts itself off and turns out the light. Wakes you to music or news—records or radio, without resetting. Starts your morning coffee—turns appliances on or off, automatically.

555 Ivory ☐

**New Low Price $27.95**

Wakes you to music or news—turns on your favorite radio programs, automatically.

Prices subject to change without notice . . . *Slightly higher west and south.

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# For Those who Make an Art of Giving

*The New*

## KENTUCKY TAVERN

*Gift Decanter*

You're looking at an exclusive . . . only
the New Kentucky Tavern Gift Decanter
is packed in a sparkling, clear view case
with a festive bow of real ribbon . . .
and this complete package is priced the
same as our regular fifth (4/5 qt.).






# Kentucky's Finest Bourbon in America's Smartest Decanter

KENTUCKY STRAIGHT BOURBON • BOTTLED IN BOND • 100 PROOF • 4/5 QUART
GLENMORE DISTILLERIES COMPANY • LOUISVILLE, KY.

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ARABELLA, WHO IS BILLED AS "THE VICIOUS DARLING," IS PRODUCER BECKER'S SECOND WIFE, DIVORCED IN 1951

# JOHN'S OTHER STRIPPER

## Burlesque wives war in Portland

Under its lady mayor, Dorothy McCullough Lee (LIFE, March 21, 1949), Portland, Ore. was a strip-teaser's Sahara. Just before election the Star Burlesque reopened and, after Mrs. Lee lost, packed the house with Stripper Tempest Storm. Then John Becker, Tempest's husband, opened a rival burlesque, stole his wife from the Star. The Star billed Arabella Andre, a stripper once married to Becker, as "John's Other Wife" and Arabella claimed John rewed before his divorce was final. The Beckers tried unsuccessfully to get Arabella declared insane, Arabella sued back, a city father said burlesque should "clean up or get out."

TEMPEST STORM IS BILLED AS "5-D" GIRL. THE PREVIOUS MRS. BECKER CLAIMS THAT TEMPEST "HAS NO FINESSE"



CONTINUED ON NEXT PAGE


SPECIAL FOR XMAS!

ONCE IN A LIFE-TIME OFFER!

Free $19.95 Bonus Table

when you buy sensational new

ROTO-BROIL

World's Finest "400" Automatic Rotisserie-broiler-grill



ONLY ROTO-BROIL

world's first and finest 7-way electric kitchen, barbecues, roasts, broils, toasts, grills, fries, boils—all fully automatic. Exclusive Slide-o-matic Shield traps heat, cuts shrinkage. Timer, 3 heat element, two spits, two trays, 12 lb. capacity, all chrome.

Limited Offer-You Must Act Now!

ROTO-BROIL $69.95
ROTO-BUTLER 19.95
VALUE 89.90

SPECIAL OFFER ONLY $69.95

SPECIAL TEN DAY FREE HOME TRIAL
NO OBLIGATION



ROTO-BUTLER
Aluminum Folding Table. Easy serving anywhere! $19.95 value with your Rotisserie.

MAIL COUPON FOR 10 DAY TRIAL

Free Delivery Through Local Dealers

ACT WITHIN TEN DAYS AND RECEIVE VALUABLE COOK BOOK FREE!




272 pages—
hundreds of tested recipes.

Send to ROTO-BROIL,
34-08 Northern Blvd., Long Island City 1, N. Y.

Rush me your 3-way bonus package — rotisserie, Roto-Butler, and cook book, all for $69.95. PAY ONLY $1.25 WEEKLY.

NAME.....

ADDRESS.....

CITY.....STATE.....

HOME OR NEIGHBOR'S PHONE.....




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# Sundial Shoes

**... comfort-crafted to fit your footprint!**

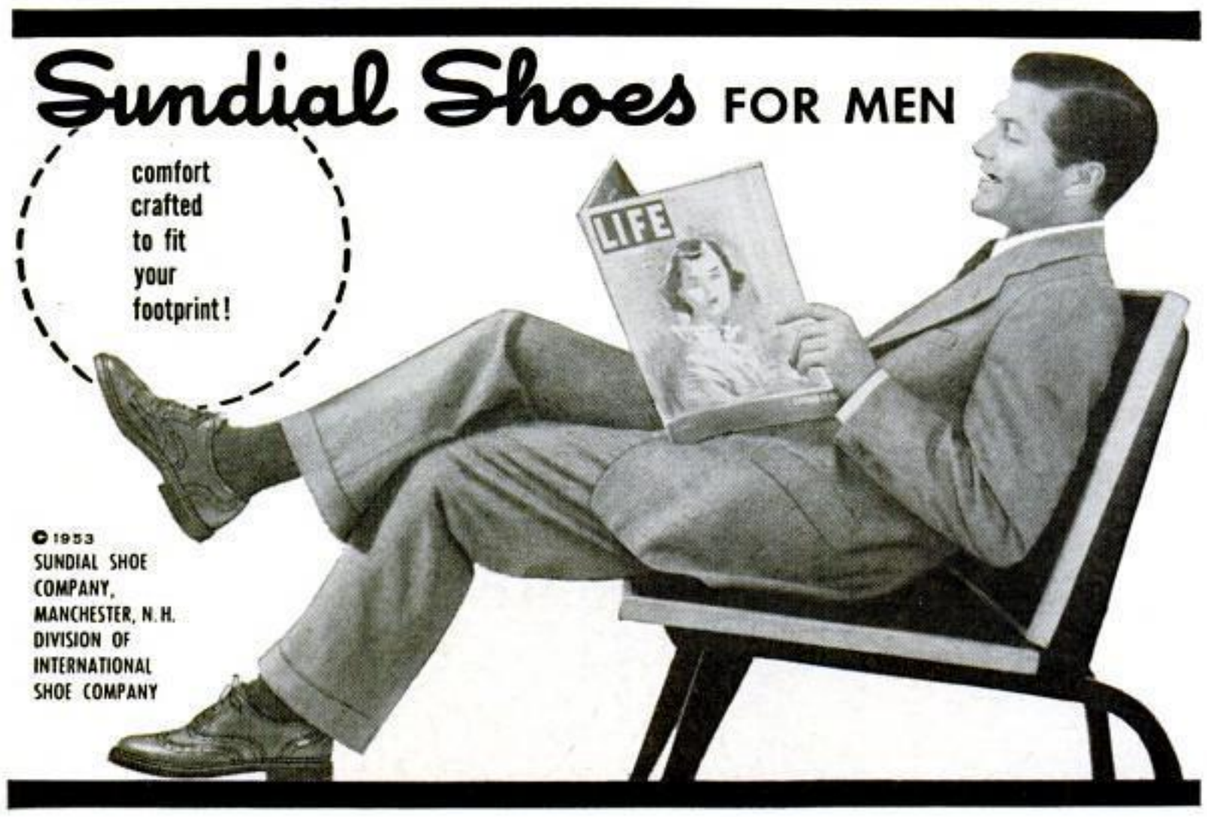



Rich, grained leather—all-around welt . . . a Sundial wing-tip that belongs in your fall wardrobe.

Sundial Shoes are crafted to give full support to vital comfort areas . . . to follow the normal lines of your footprint. . . . So, if you can't wait to get out of your shoes at night . . . get into a pair of Sundials tomorrow. Discover how comfortable shoes can be!

**You'll Like Sundial Prices, Too!**
**$8.95 to $14.95**
**At better independent stores**

## Sundial Shoes FOR MEN




© 1953
SUNDIAL SHOE
COMPANY,
MANCHESTER, N.H.
DIVISION OF
INTERNATIONAL
SHOE COMPANY

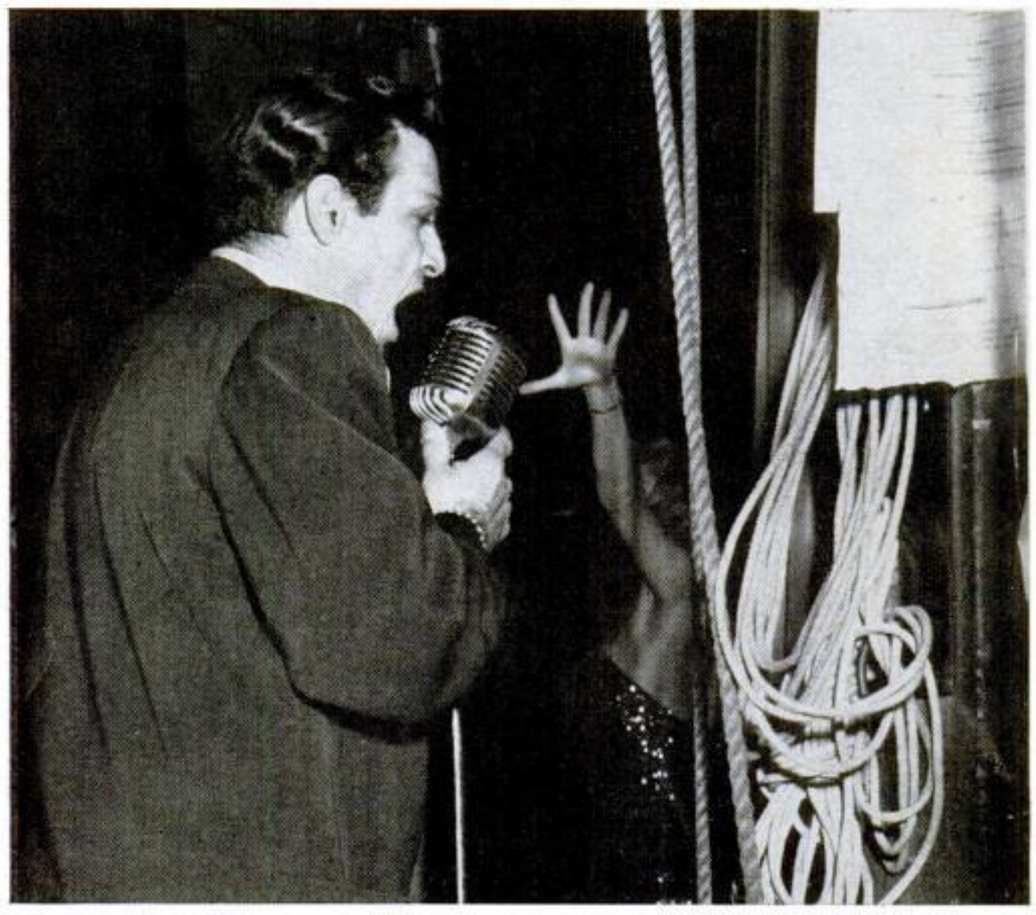





**IN SANITY HEARING** doctor, Becker and judge (*left to right*) listen to psychiatrist (*right*) read insulting letters Becker says he got from Arabella.



**ARABELLA AND PROTEGE,** Sandy Marlowe, 18, who was character witness at hearing, prepare to go on stage. Boss, Candy Renee, gives Sandy assist.



**BECKER AND TEMPEST** share their art, Becker singing offstage as wife goes into her routine. He also catches her garments as she flings them off.



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MARCELLA. 17 jewels. Hadley bracelet. Also in white case, $29.75. Cord, $24.95



YORK. Youthful. Jeweled movement, $19.95. Or with handsome Hadley expansion band, $24.95



AURORA. A 17-jewel beauty, also in white, $32.50. In Hadley expansion bracelet, $39.75



WAYNE. Modern, 17 jewels, matching Hadley expansion band, $29.75. With strap, $24.95

*Advance Showing...*

# The Christmas Selection of Wadsworth Watches

*From $19.95 at your Jeweler's!*



FARGO. 17 jewels, shock, water-resistant,* luminous, $35.75. Hadley expansion band, $42.50





CARVER. Dapper design, 17 jewels, $27.50. With striking Hadley expansion band, $33.75



FLORENCE. Sweep-second hand, 17 jewels, nylon cord, $37.50. With expansion bracelet, $42.50



ANDREA. Petite case, 17 jewels, also in white, $29.75. In Hadley expansion bracelet, $35.75



VICTORIA. Jeweled movement, also in white. Expansion bracelet, $24.95. With cord, $19.95



ALTON. Faceted crystal, 17 jewels, matching expansion band, $35.75. With strap, $29.75

**Frankly, we'd love to promise** that you'll be able to find *exactly* the Wadsworth Watch you want to give or get a few weeks from now.

But, as you can see from our beautiful Christmas selection, Wadsworth Watches start at just $19.95. And that's a mighty popular gift price—*especially* when it includes all this:

- **The style and beauty** of cases created by the same designers who fashion cases for America's finest watches.
- **The dependability and accuracy** of movements made by the same craftsmen who make movements for some of the world's most expensive watches.

So don't put off shopping till the last minute. See the *complete* Christmas selection of Wadsworth Watches at your jeweler's. He'll be happy to tuck one or more away for you until Christmas.

**Provided original seal is properly restored after opening for servicing.*

*All prices include Federal Tax and are subject to change without notice*

PRODUCT OF ELGIN NATIONAL WATCH COMPANY

**WADSWORTH**

A GOOD WATCH AT A BETTER PRICE



Copyrighted material

# THEY PUT THE 'DO' IN DO-IT-YOURSELF

## Black & Decker Utility Tools make perfect gifts for Christmas Day; save time-money-muscle ANY day

Ever wished you could build a club cellar—or convert your attic to a bedroom—or even put up curtain rods better and faster? You *can*—easily and inexpensively—just as thousands of men and women are doing—with the help of Utility electric tools. They plug into any AC-DC outlet and are designed especially for the "do-it-yourself" home-owner, by the world's largest electric tool makers—Black & Decker. Perfect as Christmas gifts, Utility electric tools are on the lists of most-wanted gifts for men who save costs by doing home jobs themselves.

Most popular are Utility Drill Kits, in handsome steel cabinet cases. The Deluxe Kit (left) includes the famous Utility ¼" Drill, bench stand, and everything for drilling, sanding, polishing and grinding ($46.95). A smaller ¼" Drill Kit (opposite page) and an All-Purpose Drill Kit are also available.

Bob Davis, Black & Decker's home service department expert, is available to help with problems that come up when you do-it-yourself. Many of these helpful hints are offered in B&D's free booklet "Handy Tips for Handy Men" (see opposite page, lower right).

Men know and prefer Black & Decker Tools for their greater power, better balance, and safety features . . . because they're quality tools, not mere toys. There's no better Christmas gift—dealers are listed in telephone Yellow Pages under "TOOLS-Electric."

BLACK & DECKER advertisement continued




**"THE BRAND THE EXPERTS CHOOSE"** is justifiable slogan of Black & Decker, forty-three-year-old manufacturer of electric tools. B&D Utility Tools feature many of the engineering "firsts" introduced by Black & Decker for industry—such as the pistol grip and trigger switch, and B&D-built universal motors—and the same fine workmanship that has made Black & Decker the world's largest maker of portable electric tools.



**TOP DRILL GIFT** is the ¼" All-Purpose Drill with extra power, perfect control for heavier-duty work ($32.95). Women use it for polishing furniture, sharpening knives; men prefer it for waxing cars, drilling in metal and wood, wire brushing, etc. New kit includes 7 steel drills, 4 wood bits, countersink, sanding pad and discs, chuck, lambswool bonnet, wax, paint mixer ($52.50).



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**FURNITURE REFINISHING,** usually expensive, can now be done by amateurs with professional results. Tedious sanding is made simple by the B&D Utility No. 44 Sander. Produces satin-smooth finish with no swirls or marks, no final hand sanding. Fine for tables, cabinets, boats, metal bodies, panels—it's a truly professional tool for "do-it-yourself" refinishers ($46.95).



**MOST POPULAR HOME TOOL** is the Black & Decker Utility ¼" Drill. Beginners and experts like its light weight, compactness, pistol grip and trigger switch, and quality tool performance (with hex-key chuck, $22.95; with geared chuck, $24.95). A basic kit for beginners includes the drill, a sanding pad and discs, a wire brush and arbor, and 7 steel drills, packed in a metal box ($32.95). For larger capacity drilling: ½" Drill ($44.95).



**FATHER AND SON** teams find porch furniture, bird houses, carts, toys, shelves easy to make with B&D Utility Jig Saw ($49.50). Powerful motor speeds intricate cuts in wood, metal, composition; extra table and attachments cut perfect circles, box joints, patterns. Comes with five blades.



**GREATEST TIME AND COST SAVERS** are B&D Utility Saws. They permit the homeowner to tackle professional projects he'd never dare before—making furniture, building extra attic or basement rooms, even cutting lumber for complete homes. Preferred by carpenters and beginners alike, they're available in five models.






**PERFECT CHRISTMAS GIFTS** — Utility Tools are sold where you see this display. For free, illustrated, 52-page booklet, "Handy Tips for Handy Men," write: Bob Davis, Dept. LF-11, Black & Decker Mfg. Co., Towson 4, Maryland.

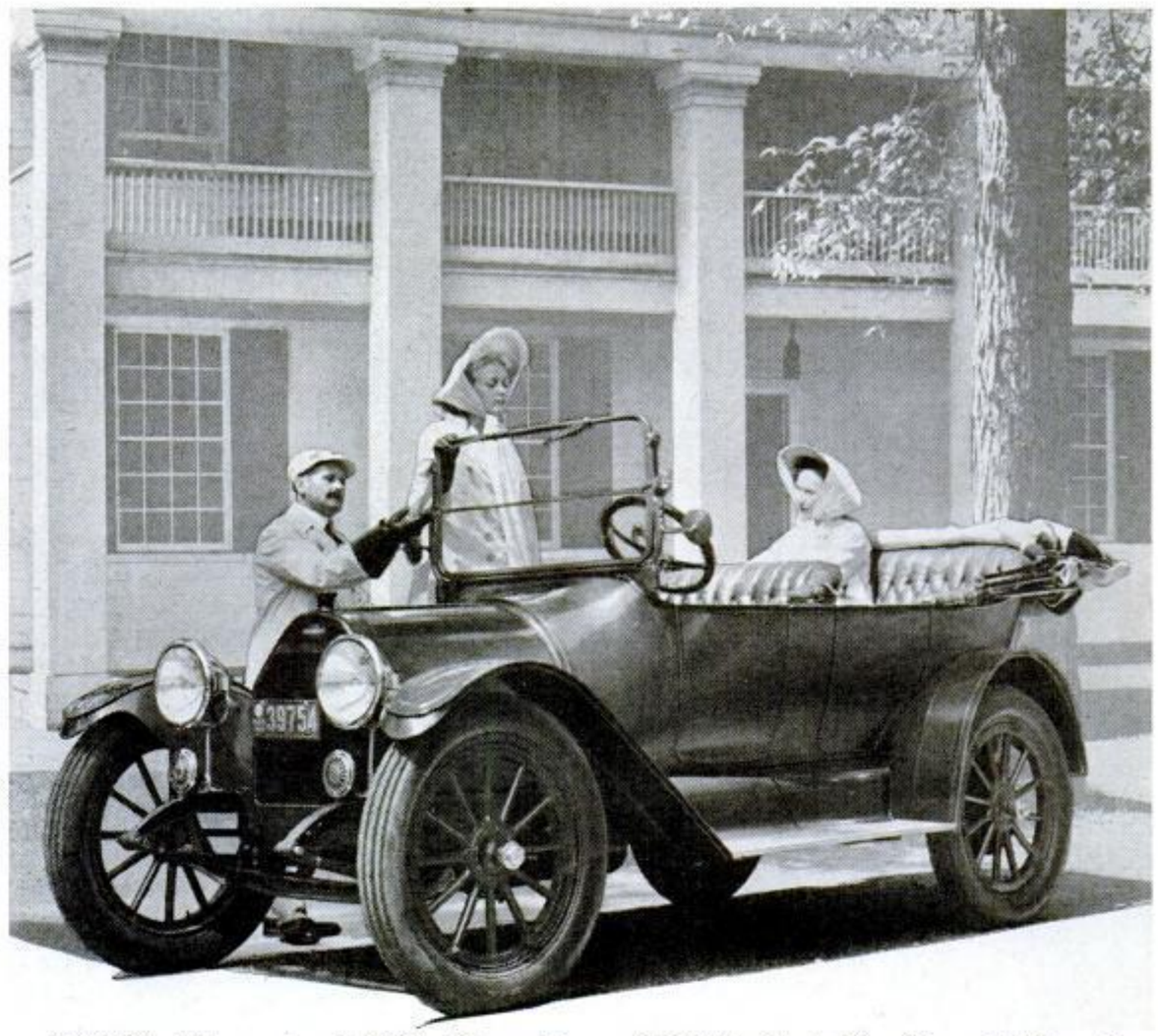


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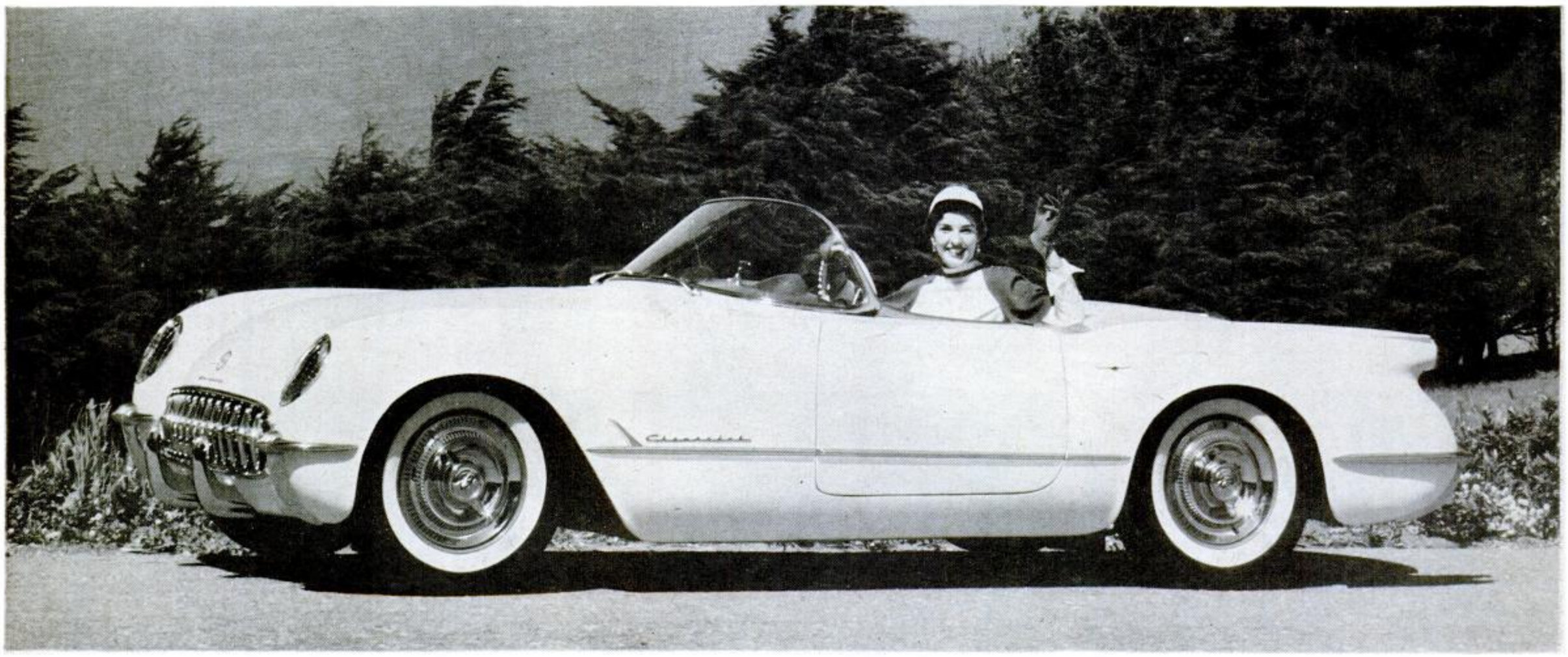

# Sparking Every CHEVROLET Since 1916

CHEVROLET



**ABOVE**—This restored 1916 Chevrolet Baby Grand was quite a car in its day. Sturdy and dependable, its 4-cylinder AC-equipped engine developed 24 hp.

**BELOW**—The thrilling Chevrolet Corvette has been aptly named "The First All-American Sports Car." Its flashing 150-hp engine is, of course, AC-equipped.






## And Original Equipment on Nearly as Many New Cars as All Other Makes Combined

From the Baby Grand right down to the brand-new Corvette, AC Spark Plugs have been the constant companions of Chevrolet engines.

Today's ACs have insulators of patented *CORALOX*, the greatest spark plug advancement in the past forty years. *CORALOX* resists the formation of oxide and carbon deposits much more effectively than any previous insulator. Elimination of these common causes of plug "shorting" and misfiring can—

- **INCREASE ENGINE POWER BY AS MUCH AS 10%**
- **SAVE UP TO ONE GALLON OF GASOLINE IN TEN**

You, too, can enjoy the gas-saving, power-boosting advantages of AC Spark Plugs—no matter what make or model car you drive.

Get a new set of the only spark plugs with patented *CORALOX* Insulator—and you'll get the peak in plug performance.

AC SPARK PLUG DIVISION GM GENERAL MOTORS CORPORATION



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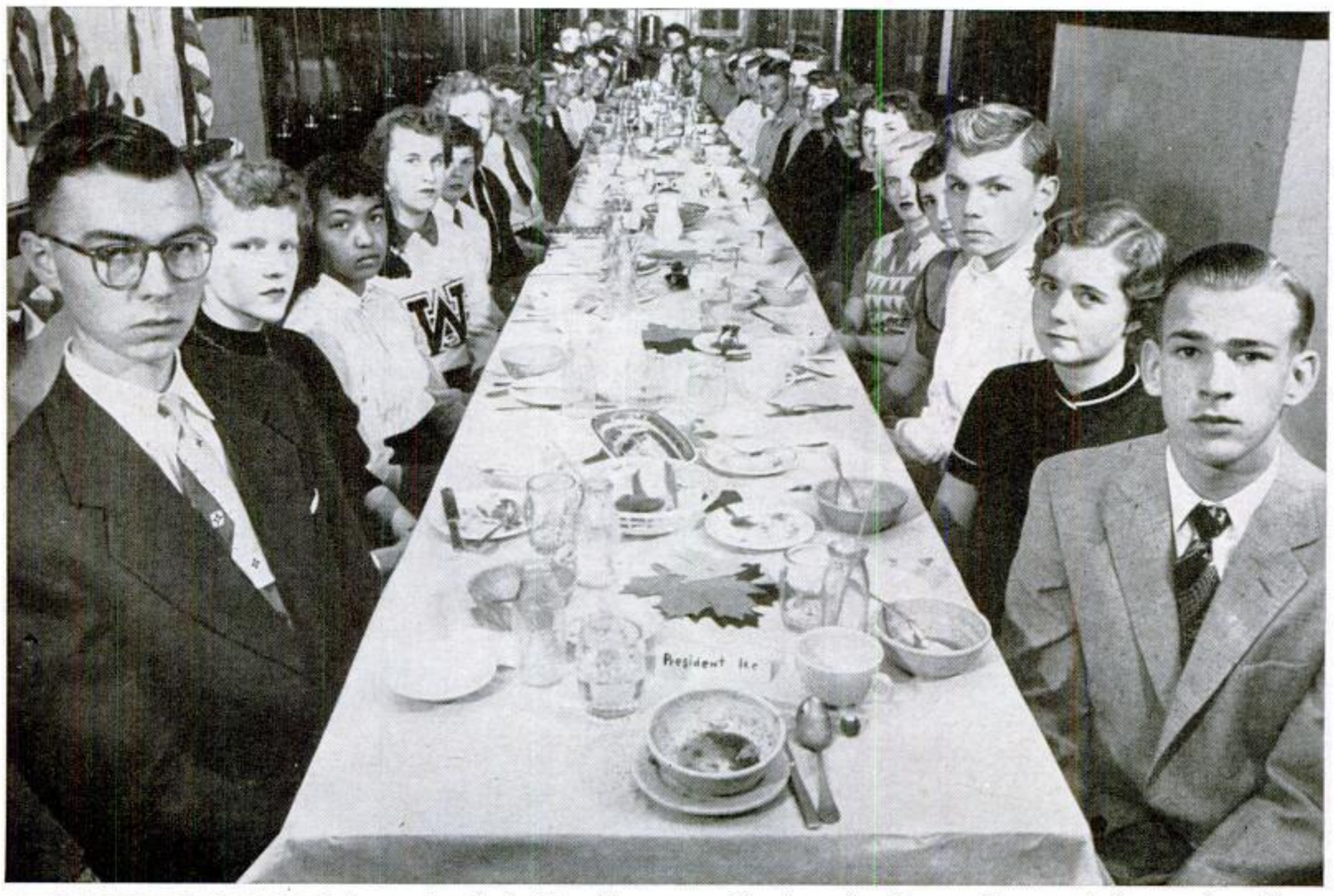
**CROWD AT STATION** during President's Willard stop blocks Bob Blinzley (arrow) as he pushes up close to train to deliver invitation.

# MAN WHO DIDN'T COME TO DINNER

## Student invites President to chili party, gets big response, but no Ike

When President Eisenhower's train paused in Willard, Ohio recently to change crews, a student named Robert Blinzley elbowed his way through a throng of well-wishers and handed the President an envelope. In it was one ticket—he excitedly overlooked Mrs. Eisenhower—for Willard High's football game with Galion and an invitation to a homecoming chili supper. The President declined, but a pilot circled the area dropping leaflets saying that he had been asked.

Nobody expected the Eisenhowers to come, but a record crowd of 4,500 showed up anyway at the football field. The jittery Willard team almost blew the game, while the school mothers blew 12 fuses keeping the President's untasted chili hot in an electric oven. Blinzley's brainstorm, however, did net his class enough money to help pay for a trip to New York, and the telegram of regret from the President, now proudly displayed in the school trophy case.



**PLACE FOR PRESIDENT** is kept at head of table with Blinzley seated at right foreground and class president, Larry Foran, at left. Guests did not let disappointment at Eisenhower's absence dampen their appetites. Some 350 bowls of chili were quickly devoured. Even Eisenhower's serving was eaten and the empty bowl replaced.

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**MONOPOLY**

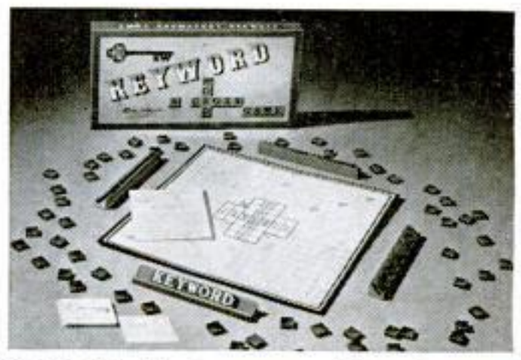
Parker Brothers' Trade-Mark Name for its Real Estate Trading Game

What excitement—when everybody starts buying, selling, and mortgaging real estate! Monopoly is the *finest* investment in family entertainment. Three editions: $3, $4, $10



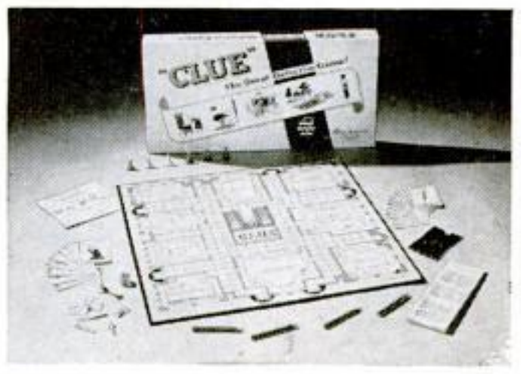

**SORRY** Parker Brothers' Trade-Mark Name for its Slide Pursuit Game

There's extra suspense in this great board game—with play controlled by special cards! $2.50




**KEYWORD The best crossword board game!**

Fast play, easy scoring, endless fun. Three editions: $2, $3, $5




**CLUE** Everybody plays detective—with a thrilling plot, plentiful clues, 6 suspects. $3

Dixie-Pollyanna
Finance & Fortune
Flinch
Pit
Touring
Pegity
Camelot
Crossword Lexicon

Ask by name for your FAMOUS **PARKER GAMES** at all leading stores

**SEND FOR BOOKLET**

"How To Have Family Fun and Popular Parties"

Send 25c, with name and address, to: Parker Brothers, Inc., Dept. 22, Salem, Massachusetts.

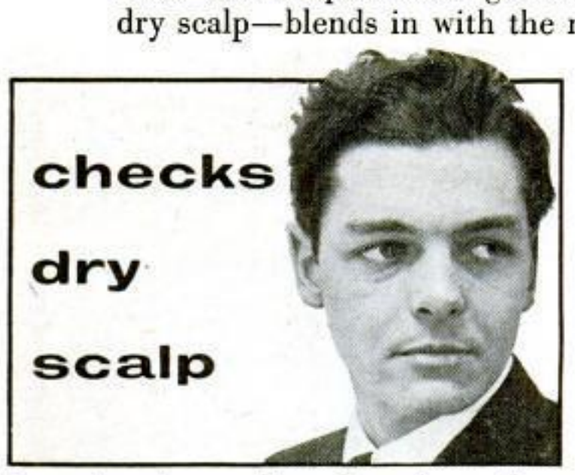



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# Keeps hair naturally well-groomed!



**'Vaseline' Hair Tonic** makes your hair look naturally neat—and keeps it looking neat! Why? Because it checks dry scalp—blends in with the natural oils in your hair!




Just a few drops a day relieves loose dandruff . . . tames unruly hair that so often accompanies a dry, **oil-starved** scalp.



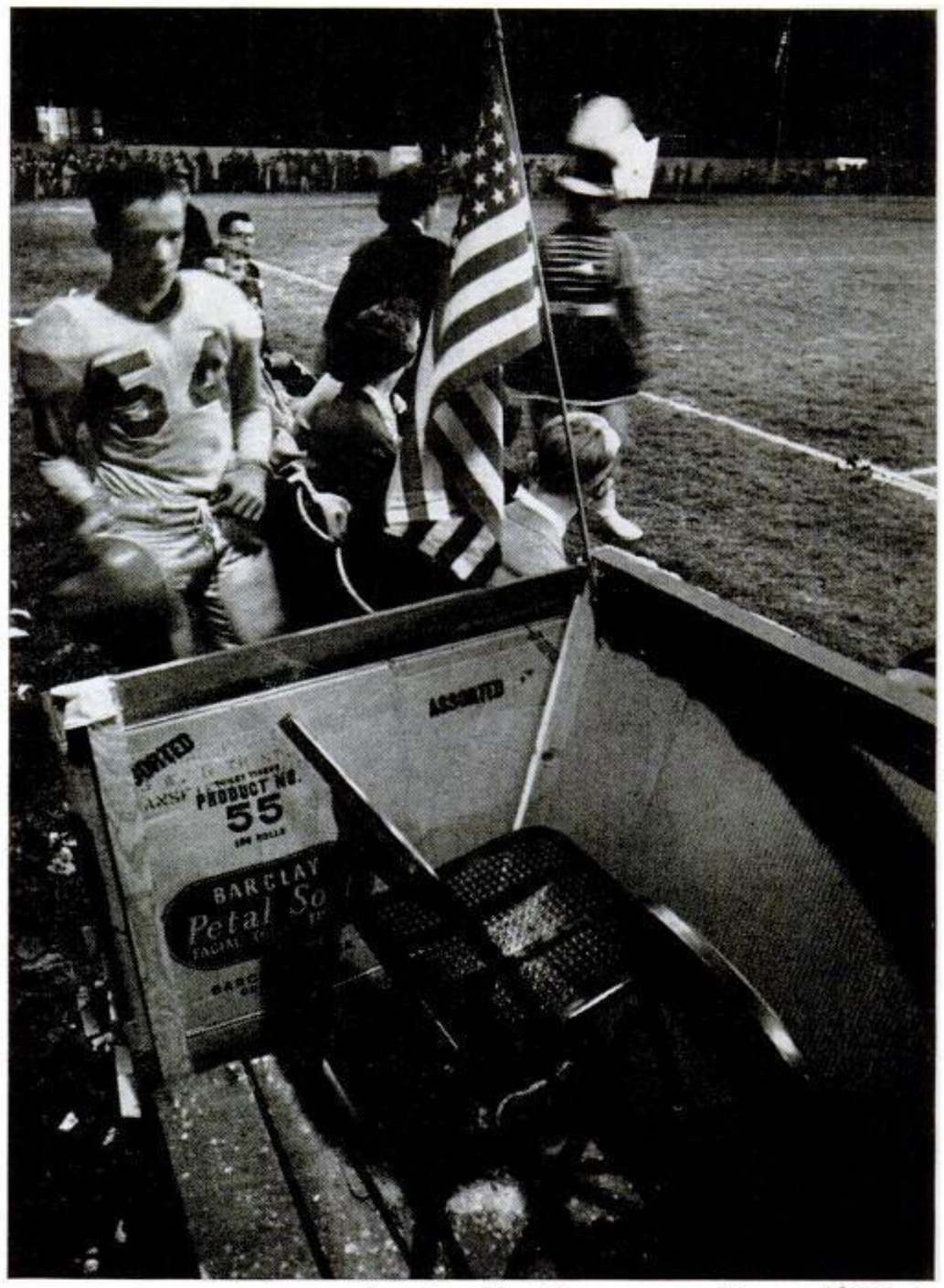

Contains no alcohol or any other scalp-drying "mystery" ingredients.

# Vaseline HAIR TONIC

TRADE MARK ® VASELINE is the registered trade mark of the Chesebrough Mfg. Co., Cons'd






**PRESIDENTIAL BOX** made of cardboard cartons was on 50-yard line. During game Boy Scouts stood guard to make sure no one sat in it. At half, Captain Jim Carpenter came over (*above*) to pay respects to absent guests.




**EISENHOWER CHAIRS** were set up by dance floor at postgame party in gym. During the evening dancing stopped when homecoming queen Nancy Pennybaker brought over bouquet of chrysanthemums for Mrs. Eisenhower.

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Dear Jim: Be a Christmas angel and do something about this beat-up old range of ours. It's costing us plenty! My heart's set on that new Kelvinator.

Diana



Dear Fred: Don't wrack your brain about Christmas. I'll bless the day you rescue me from this nasty job and get a new ''Magic-Cycle'' Defrosting Kelvinator.

Mary



Dear Bob: Here I am, shopping again...wishing we had a home freezer. One of those new Kelvinator freezers we saw the other day would be a perfect Christmas present.

Laura



Dear Bill: I'm dreaming of a white Christmas—of a sparkling white Automatic Washer and Dryer to end this drudgery. I saw what I wanted at the Kelvinator dealer's.

Joan

# A letter to four husbands

NO, YOU PROBABLY WON'T get a letter like this from *your* wife. But couldn't that be because she's just too patient, too good-natured, too good a soldier to complain?

If that's the case—then you have a golden opportunity to give her the greatest of all gifts this Christmas—*freedom* from irksome household tasks. Freedom that comes like a new lease on life when Kelvinator gifts start saving weary steps, and dreary hours, and frayed tempers.

When you're making up your Christmas list, stop and consider how happy she'd be with a new "Magic Cycle"* refrigerator . . . how a new Kelvinator Electric Range would lighten her cooking tasks . . . the drudgery saved on washday with a Kelvinator Washer and Dryer . . . the shopping trips she'd avoid with a freezer . . . her pride in a kitchen remodeled with Kelvinator Cabinets and Sink. Look ahead to next summer and think of the cool comfort a Kelvinator Room Air Conditioner would give . . . and how she'd enjoy oceans of hot water provided by a Kelvinator Water Heater. *Then* see your nearby Kelvinator dealer!

For fewer dollars than you'd think, you can give your wife a brand-new standard of living . . . a Kelvinator standard of living . . . with gifts that will keep on giving for years to come . . . gifts that give happier, healthier, wholesome home life—for the whole family!

**Patent applied for.*




This Christmas – Give Kelvinator The gift that gives for years!

Division Nash-Kelvinator Corporation, Detroit 32, Mich.

Electric Refrigerators • Electric Ranges • Home Freezers • Electric Water Heaters • Kitchen Cabinets & Sinks • Washers, Dryers & Ironers • Garbage Disposers • Room Air Conditioners • Electric Dehumidifiers

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# Holiday

*from the land of*

FROM THE LAND OF SKY BLUE WATERS

*'m-m-m-Hamm's!*

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# *Refreshment!*

*sky blue waters...*

# *Hamm's*

*the beer refreshing...*

*refreshing as the land it comes from!*




*Add this refreshing touch to your holiday snacks*

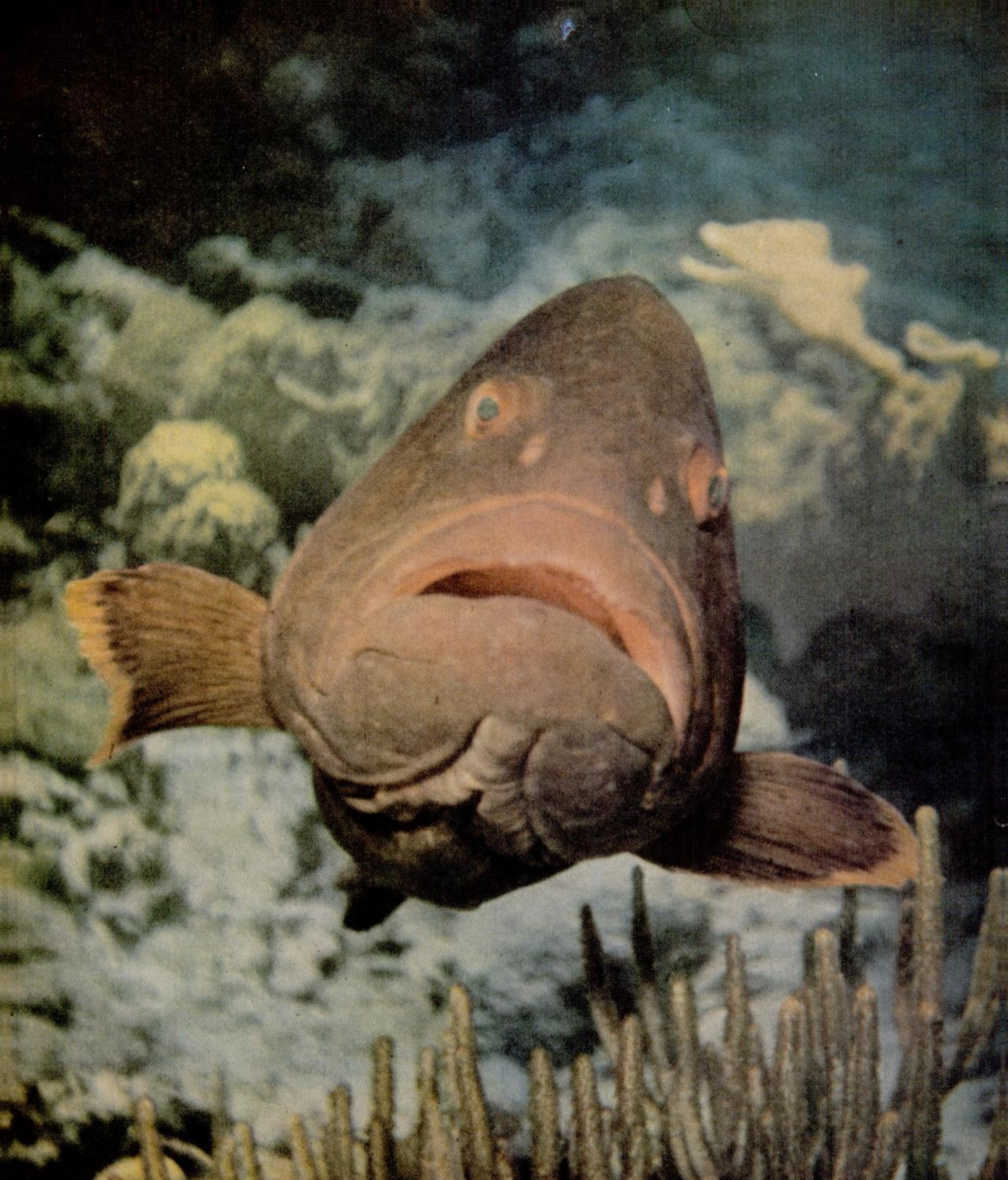
. . . frosty Hamm's Beer . . .
crisp! . . . clean-cut to the taste!
. . . capturing for you the
brisk refreshment of the
land it comes from.

Buy Hamm's in this gay Christmas Gift-Pack. A dozen 12 oz. cans, at your dealer's now.




*Theo. Hamm Brewing Co., St. Paul, Minnesota*

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**AMID CORAL SPIRES** in a world of rippled sands and swaying plumes, monstrous and magnificent creatures glide through glimmering, blue-green water. Here a grouper, goggle-eyed and heavy-jowled, hangs lightly above the sunlit ocean floor. He is a member of that class of streamlined, neckless, water-breathing, vertebrate animals called fish, the best known to man of all the many thousands of kinds of creatures that inhabit the far-flung dominions of the teeming sea.

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THE WORLD WE LIVE IN: PART VII

# CREATURES OF THE SEA

## From its shimmering surface layers to the eternal darkness of its deeps the ocean holds a range of life from one-celled animals to mighty whales

Text by LINCOLN BARNETT

> For all that here on earth we dreadfull hold,
> Be but as bugs to fearen babes withall,
> Comparèd to the creatures in the seas entrall.
> SPENSER, *Faerie Queene*

FROM the day when man first ventured on the surface of the seas he has feared not only the open fury of the winds and waves but even more profoundly the unseen hordes of creatures with which his fancy filled the secret depths. In the mythology and literature of every age great monsters inhabit the abyss, rising recurrently to drag their victims down to weedy caverns on the ocean floor.

Although the human imagination forever transcends nature, there are grounds for these persisting fantasies and fears. For the sea abides, of all realms of life, the least known, the least explored, the largest, the darkest. Dropping to depths of nearly six miles, it encompasses about 300 times the habitable cubic space of land and fresh water areas combined. And most of it is a domain of everlasting night, black as Milton's sightless sphere—"O dark, dark, dark, amid the blaze of noon, Irrevocably dark . . ."

Hence man knows far less of the ocean's creatures than of the animals with which he shares the land. Yet the frontiers of marine biology have advanced in recent years and can provide some glimpses now not only of the populations that subsist in shallow waters, but of those that dwell below the glimmering surface layers of light, in the canyons of the continental slopes and amid the oozes of the abyssal floor. And one can say that while Scylla and Leviathan lived only in legend, the most gigantic creatures that ever existed on earth wage war still in the oceanic deeps. With them too abide some of the loveliest forms the hand of nature ever wrought, sculptured with silvery grace and symmetry, tinted with iridescent jewellike hues, shining sometimes with magic luminescence in the night.

Since the sea is the ancestral home of all living things (*The Pageant of Life*, LIFE, Sept. 7), the creatures that inhabit it embody an animate panorama of evolution from the dawn of existence. All of the main divisions (phyla) of the animal kingdom appear in the sea, as well as all of their component classes—save only amphibians, birds, insects and true spiders. From bacteria and protozoans up to the most highly evolved of aquatic organisms, true fish and marine mammals, the long procession of life unfolds in the sea with a clarity and detail that have no parallel among the faunas of the land. For the sea has many living fossils—animals for whom the ages have stood still. Eon after eon, jellyfish, corals, glass sponges, starfish, sand dollars, horseshoe crabs, clams and other forms have reproduced their kind, virtually untouched by the slow sorcery of time.

At the moment of earth history when the first plants and animals climbed from the seas onto the dry land, the invertebrates were lords of creation. Single-celled protozoans proliferated in the surface waters. Jellyfish shimmered through the middle layers. Mollusks and arthropods ruled the sunless sea floor. Sluggish, even sedentary, many of these bottom dwellers had no need or ability to swim. And so the deep waters of the open sea lay almost empty for millions of years. But in the lakes and rivers of the continents a new class of life was evolving—the fishes, which may have sprung from a special group of freshwater invertebrates and learned to swim through the necessity of escaping enemies and maintaining their position and balance in swift-running streams. Their contours became more streamlined, their fins more flexible; they developed movable jaws and specialized teeth suited to a predatory life. In time they branched into two subclasses: the cartilagenous fish, such as sharks, skates, rays, whose skeletons are made of cartilage rather than bone; and the bony fish, the dynasty of cod, herring, salmon, tuna, mackerel, bass and other true fish (teleosts) of the present day. Sometime in the late Devonian and Triassic periods the ancestral vertebrate fish came down to the sea, and finding the ability to swim a distinct advantage among the slow, crawling communities of the salt water, survived, thrived and improved their unique mode of locomotion. Today the teleosts, over 20,000 species strong, are the common fish of the sea.

Since the sea is a more homogeneous environment than the land, its creatures are generally more primitive, less diversified than those that emerged onto the harsh and variable reaches of the continental platforms. By and large they have not had to specialize, to adapt themselves to such contrasting habitats as deserts and swamps, jungles and grassy plains, nor to endure extreme climatic variations. Even in the tropics the temperature of the surface waters seldom exceeds 85°; in the polar regions it never falls much below 29°. Over more than three quarters of the ocean's surface the seasonal temperature variation is less than 5°; below 800 feet there is no seasonal change at all. The sea is lenient in other ways. Its populations have no lack of the essential component of all life—water—for they are constantly bathed in it, both externally and internally. Sea creatures absorb water directly into their systems, and along with it the dissolved gases necessary for life—oxygen and carbon dioxide—and the requisite amounts of salts and minerals necessary to growth.

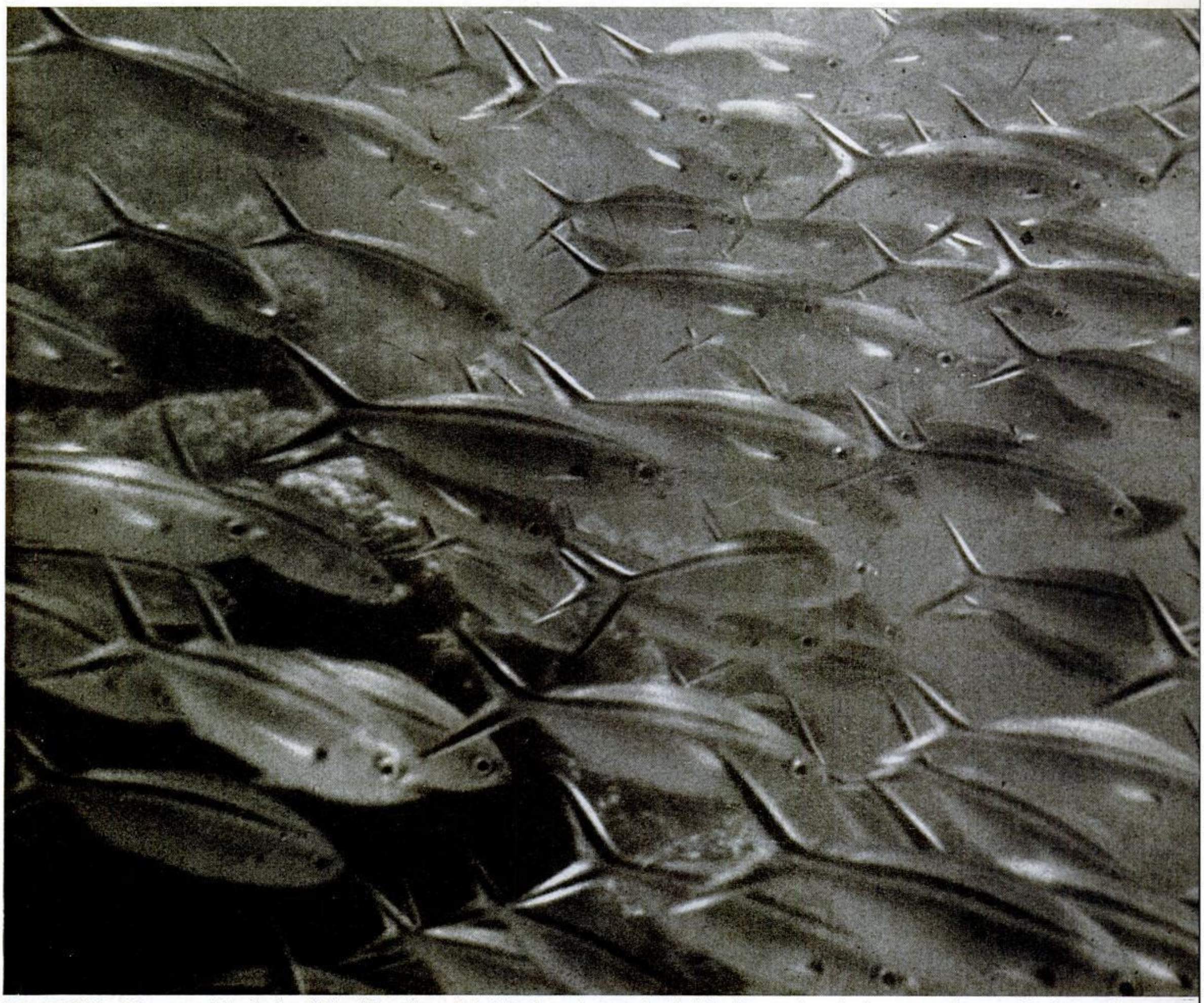
Moreover the water in which aquatic creatures live sustains them against the relentless tug of gravity. Unlike land animals which require solid supports to undergird them in the thin medium of air, marine organisms in the denser medium of water have no need for heavy legs or hard internal frames. Sea plants have no trunks or rigid stems. The limbs of most sea animals are designed for swimming, digging or fighting rather than support. This is true even of the great whales, whose bones are spongy and filled with oil. Indeed a whale, though an air-breathing mammal, quickly dies if washed ashore, its lungs crushed by the weight of its own vast body.

Yet despite the homogeneity of the marine environment, its lack of impassable deserts and unscalable mountains, the sea too has its barriers: invisible boundaries of temperature, salinity, pressure and light. Most sea creatures, having no regulator systems like those of land animals designed to protect them against sudden and intense environmental changes, are extremely sensitive to slight variations in their watery medium. Thus temperature differences serve to confine

Paintings by RUDOLF FREUND
Photographs by FRITZ GORO, ROMAN VISHNIAC, JAY EYERMAN and OTIS BARTON, M. WOODBRIDGE WILLIAMS, HARRY PEDERSON, JAN HAHN, LAMAR BOREN and GEORGE KARGER

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**THE CROWDED SEA** teems with schools of fish, gliding like well-disciplined armies through the clear water. Some fish are solitary hunters like marlin, barracudas and sharks. But many more, like these Australian Caesios, locally but incorrectly called kingfish, travel together in great numbers, possibly for mutual protection, possibly in response to some deep instinct. The precision with which such schools swim in formation, twisting, diving, accelerating in unison with

## CREATURES OF THE SEA CONTINUED

marine life to certain regions of the sea. Many cold-water creatures of north and south latitudes are identical, yet differ sharply from tropical species that inhabit the seas between. Sudden shifts in ocean currents, bringing, for example, masses of warm water into regions occupied by cold-water creatures, may completely destroy existing populations within vast areas. In the same way a sudden change in salinity, caused perhaps by a heavy rainy season and the disgorging of flooded rivers into coastal waters, may decimate oyster beds and other inshore invertebrates. Pressure too draws horizontal boundaries between layers of the sea. Although some fish reveal an amazing ability to move from one pressure level to another without harm—and whales, though air-breathing mammals, are capable of plunging to 3,000 feet or more—most sea creatures remain between certain self-imposed strata marking the upper and lower limits of their abode.

A more obdurate barrier is light—not because vision is the most important sense to the majority of marine organisms, but because light is indispensable to the aquatic plants that compose the basic food supply of the sea. All plants obtain their nourishment by converting inorganic substances—water, carbon dioxide and certain minerals and salts—into food. The process by which they do this, called photosynthesis, depends entirely on the energy of the sun. So in contrast to the land where sunlight bathes all but the deepest ravines and where all regions save the deserts and the poles are garbed in green, plants in the ocean are confined to the sunlit upper waters; none grows below 250 feet. The hidden mountains of the sea are more bleak than the high Himalayas, the great plains and valleys of the ocean floor more barren than the sands of the Sahara. Nowhere beneath the waters is there vegetation comparable to the thick forests of the land. Marine plants are primitive, rootless, trunkless, generally small, and limited in kind. There are only a few seed plants—such as eel grass and surf grass. The rest consist of the seaweeds, of minute blue-green algae and of the single-celled plants called diatoms. The latter, though microscopic in size, reproduce faster than any terrestrial flora, often doubling in number every second day and in a year producing many tons per acre of open water. In spring and fall the surface of the sea turns yellow, brown and green as the diatoms bloom. Thriving in cold water, in regions of turbulence and upwelling where the rich organic nutrients of the ocean floor ride upward on deep currents, the diatoms lure hordes of sea creatures to their enormous pastures. Where the diatoms flourish, there too flourish the world's great fisheries—along the west coasts of North and South America, in the North Sea, off Portugal, Japan and Newfoundland.



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their leaders, never colliding, remains a mystery of nature comparable to that presented by the formation flying of birds. Whether they maneuver chiefly by sight, sound or response to the "backwash" of the lead fish, no one can now say.

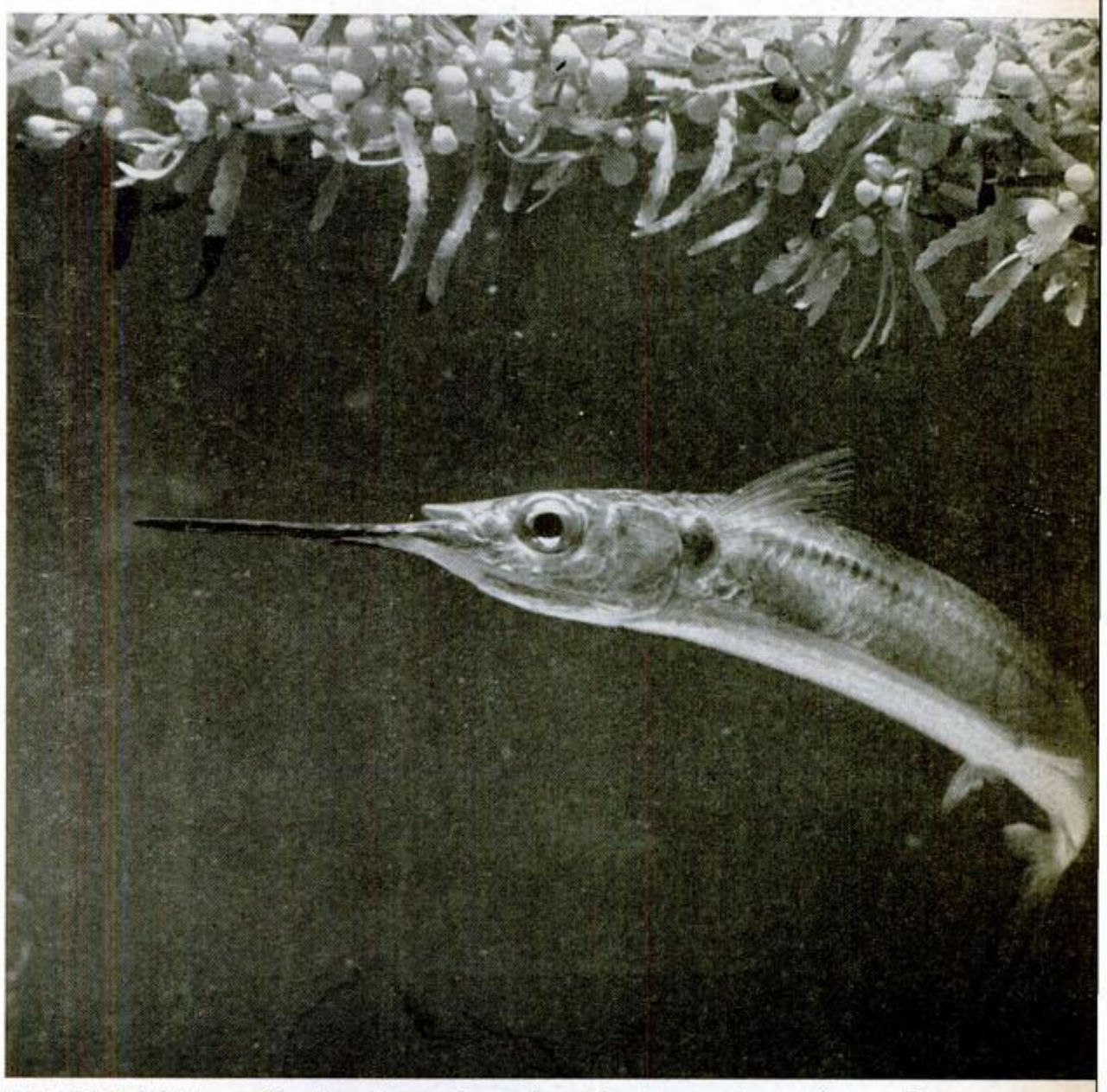
And so the broad unbroken sea is a diversified domain, divided, like the land, into many provinces and precincts, each with its own populations and ways of life, separated one from another by unseen walls of physical condition. From the perspective of marine biology the sea encompasses two great dominions of nature: the pelagic environment (open water) and the benthic environment (the bottom). And each of these in turn embraces several separate and distinct categories of life. Pelagic life is divided into plankton (floating creatures that have little power of locomotion and drift with the currents) and nekton (free-swimming creatures of all kinds). Benthic life exists all the way from the littoral benthos (the inshore bottom) downward to the abyssal benthos (the deep sea floor beyond the continental slopes). Though drowned in a common medium and interpenetrated by the ever-restless currents of the deep, each of these great domains of life is nevertheless a world of its own, shaped by disparate circumstance. There are no collective answers but many diverse ones to the questions addressed to the seas' creatures by the English poet, Leigh Hunt, a century ago:

> O scaly, slippery, wet, swift, staring wights,
> What is 't ye do? what life lead? eh, dull goggles?
> How do you vary your vile days and nights?
> How pass your Sundays?

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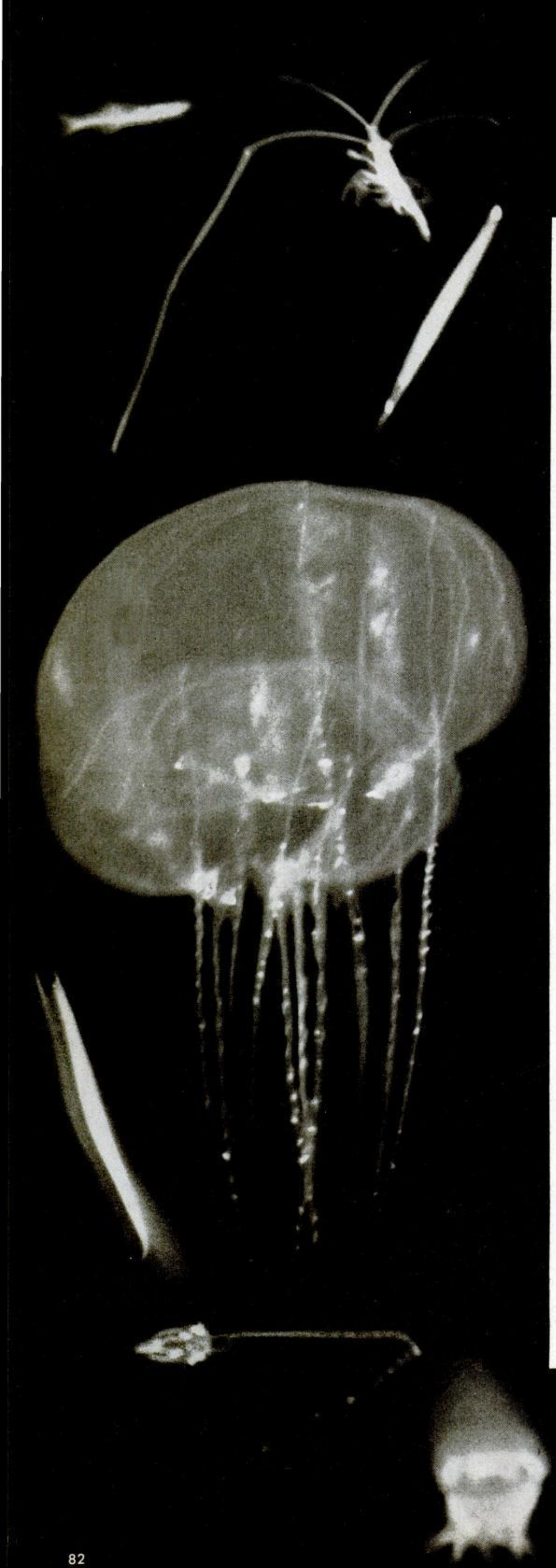
**THE SUPPORTING SEA** enables marine creatures to stay afloat with a minimum of effort. Here horseshoe crabs float on the surface on their backs using shells as boats, legs as oars. They can also swim right side up or crawl along the bottom.



**THE FERTILE SEA** provides hanging gardens of sea plants as pasturage for small creatures. Here a halfbeak skims under a patch of Sargassum in the Caribbean looking for prey. Its long lower jaw is designed for snatching food from below.



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## REALM OF EVERLASTING NIGHT

IN the ocean as on land there are creatures that shun the crowd and seek the lonely places. The teeming cities of the sea lie amid the inshore shallows with their seaweed gardens and tidal pools; its open ranges roll beyond the continental slopes. And its badlands are the blind wastes of dark water beneath the surface layers of light, where the pioneers of the sea grope their way through a night without end, fighting for existence under harsh frontier conditions far from the competition of the crowded communities above. Most of them are small, for their only food sources are themselves—the living flesh of their neighbors—and what fragments of plants or morsels of torn prey may drift down from the layers of life above.

Though sunlight has never penetrated these depths since the seas were formed, only a very few of the fish that inhabit them are blind. Many between 800 and 1,500 feet have greatly enlarged eyes with a special sensitivity to dim light. It is indeed a fact of evolutionary significance that the eyes of most fish, though generally myopic, are remarkably similar to those of man. For the eye originated in the water. The reason that even the abyssal fish have retained vision may be that the deep waters, though untouched by the light of moon, sun or stars, are not completely dark. Their inhabitants supply their own ghostly illumination. Innumerable deep sea creatures—hundreds of species ranging from true fish down to worms and bacteria—exhibit some form of luminescence. Many, like the Cyclothone (*upper left*), bear rows of glowing lamps or portholes along their sides, which they can turn on and off at will. Others carry torches which they dangle in front of their mouths, perhaps as a lure for prey. In some creatures the luminescence is generated by bacteria on the body of the animal, in others by special luminescent organs within which a slimy secretion reacts with oxygen in the blood to produce light. No one knows whether this luminescence is for purposes of defense, for attracting a mate, for recognition of species, or is just a chemical accident. For some brilliantly luminous creatures have apparently no use for their displays—being either eyeless or hidden, like certain luminescent clams and burrowing worms.

The remoteness of this realm of unending night led scientists for many years to suspect that in the unplumbed depths of the sea there might abide many living fossils from the most ancient eons of terrestrial time. But they incline now to the belief that most of the strange lamplighters of the deep waters are relative newcomers to the life of the sea—that they are in effect the descendants of refugees from the upper levels that at some time had been driven down into a world of darkness, there to adapt to its rigors as best they could.

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**DEEP SEA FISH,** inhabiting the dark waters between 1,300 and 3,600 feet, display many forms of luminescence. These photographs, the deepest undersea fish portraits ever made by man, were taken by Otis Barton from his Benthoscope 60 miles off the California coast. Identifiable forms include a Cyclothone, a deep-sea shrimp and an arrowworm (*all in upper left corner*) and a jellyfish (*directly below them*). On opposite page appears a deep-sea copepod, magnified 300 times.



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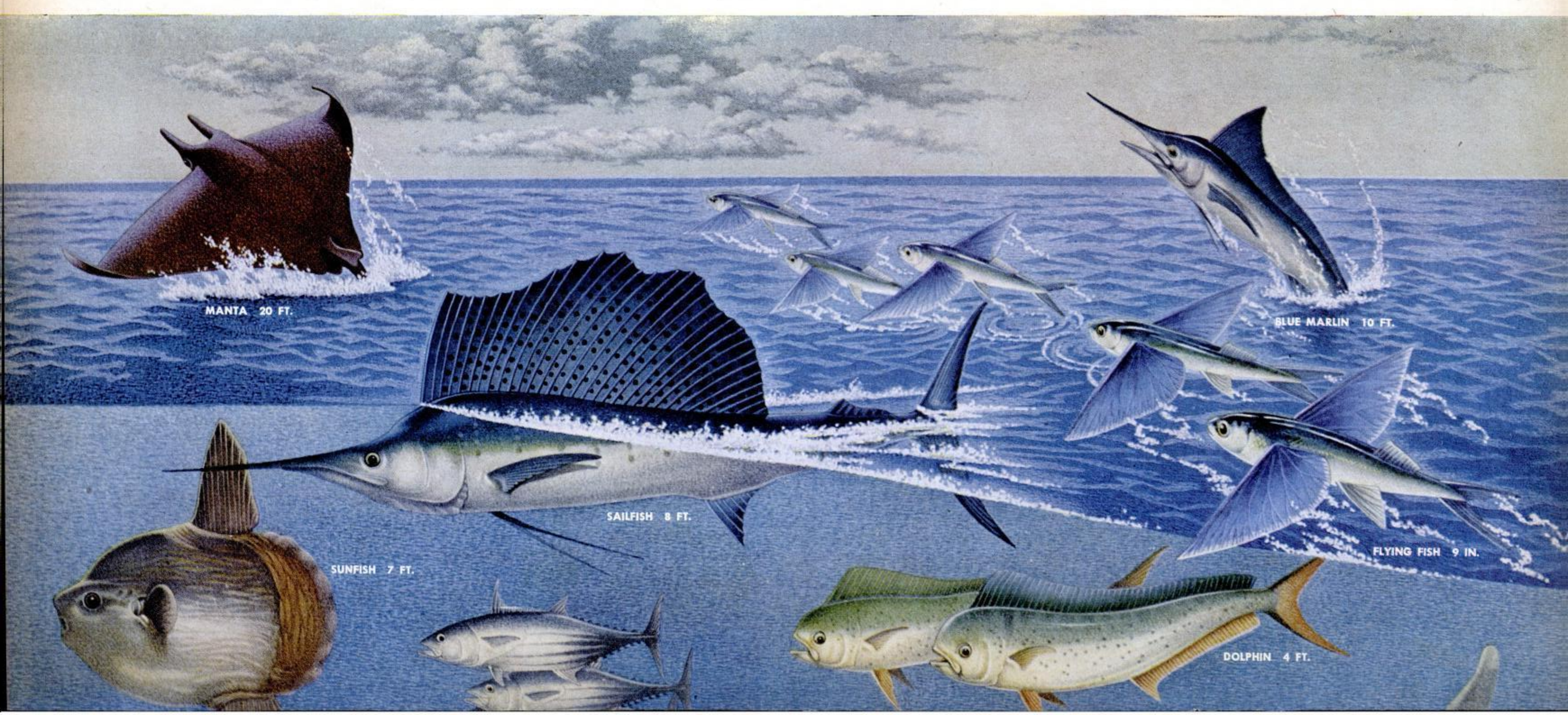
# FREE SWIMMERS OF THE OPEN SEA

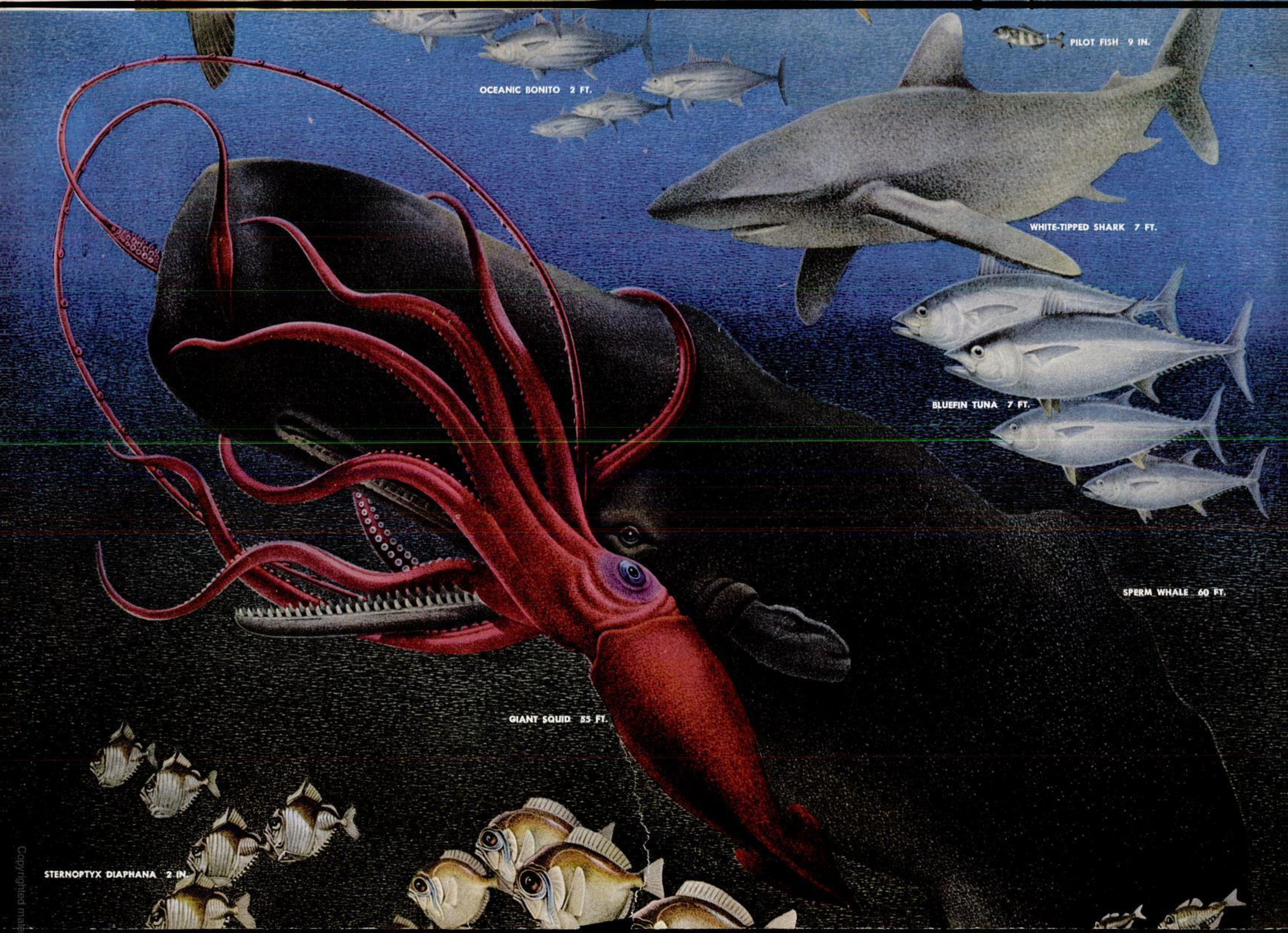
UNLIKE bottom dwellers, fettered to the ocean floor, the free-swimming creatures of the sea move buoyantly through a three-dimensional world in which mobility, keen senses and protective coloration are the implements of survival. From the blue upper layers of the water to its lightless depths, ocean life varies in form, abundance and habit with its level in the many-storied sea.

The domain of open waters is the domain of vertebrate fish, though they share their sovereignty with some invertebrates, like the giant squid, and the mightiest of mammals, the whales. Their speed kings are the blue marlin, capable of spurts up to 50 mph; the sailfish; the dolphin; and the dolphin's favorite prey, the flying fish, which taxis at 35 mph and soars rather than flies through the air. Not much slower are the tuna and the oceanic bonito. Sharks, largest of all fish, are the wolves of the sea. A near kin of the shark is the harmless manta or devilfish, which may attain a weight of 3,000 pounds and, like a sailfish, often leaps from the water, falling back with a splash resounding for several miles.

Most of these surface-dwelling fish have been tinted by nature to blend with their glimmering environment. Since the long wavelengths of sunlight are absorbed in the upper 75 feet of water, the dominant undersea colors are green, blue and violet. These persist feebly to a depth of 2,000 feet in clear waters (like those shown from the surface to 4,000 feet in the composite painting below). Pelagic creatures inhabiting the upper stories of the sea tend to be bluish above and silver underneath. From about 600 to 1,500 feet, a twilight grayish zone, the fish are correspondingly light-hued—like silvery *Sternoptyx*, *Diretmus* and *Opisthoproctus*. Below, in the zone of utter blackness, animals display the brown and black shades of *Melanocetus* and *Photostomias*, though a few, such as the scarlet deep-sea prawns, astonishingly wear bright colors for reasons no one can guess. Indeed, the little that is known about creatures of the deep has been deduced from the occasional strange specimens brought up in the nets of marine biologists. The curious forms like those shown below, named from the lexicon of science, represent much of what man has seen of life in the lower levels of the sea. But the fact that most deep-sea fish are also equipped with enormous mouths and long, needlelike teeth is suggestive of the bitter struggle to survive in the blind depths where food is located by chance. One such fish, *Chiasmodon*, has a distensible stomach enabling it to swallow prey larger than itself. But the greatest battles of the deep are waged a quarter mile down by the sperm whale and its ancient prey, the giant squid.

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ROCKWEED

ROCK CRAB

GREEN SEA URCHIN AND SHELL

SAND DOLLAR AND SHELL
SEA PEACHES
MUD STAR
BRITTLE STAR

BAY SCALLOP SHELL

JINGLE SHELLS
GREEN CRAB
SEA ANEMONE, EXPANDED
HERMIT CRAB IN BORROWED SHELL

ROCKWEED

SOFT CORAL

SEA CUCUMBER
WHELK EGG CASE
SKATE EGG CAPSULE
PURPLE SEA URCHIN

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SEA COLANDER
PHYLLARIA DERMATODEA SEAWEED

MUSSEL SHELL

SEA GRAPES
EDIBLE MUSSELS
PINK HEARTED HYDROIDS
REDBEARD SPONGE
OYSTER DRILLS
RIBBED MUSSELS
ROCK BARNACLES
IRISH MOSS
COMMON STARFISH
RAZOR CLAM SHELL

SEA VASES
SEA ANEMONE, RETRACTED
SEA PORK
SUN STAR
MOON SNAIL SHELL
BOAT SHELL

DOG WHELKS
PERIWINKLES
PURPLE STARFISH
CORALLINE ALGAE
BLOOD STARFISH

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DIRETMUS ARGENTEUS 2 IN.

EEL LARVA 4 IN.

HATCHET FISH 1 IN.

LAMPROTOXUS FLAGELLIBARBA 8 IN.

PLATYBERIX OPALESCENS 3 IN.

ROOSTER FISH 15 FT.

VIPERFISH 12 IN.

PRAWNS 4 IN.

PHOTOSTOMIAS GUERNEI 7 IN.

LANTERN FISH 3 IN.

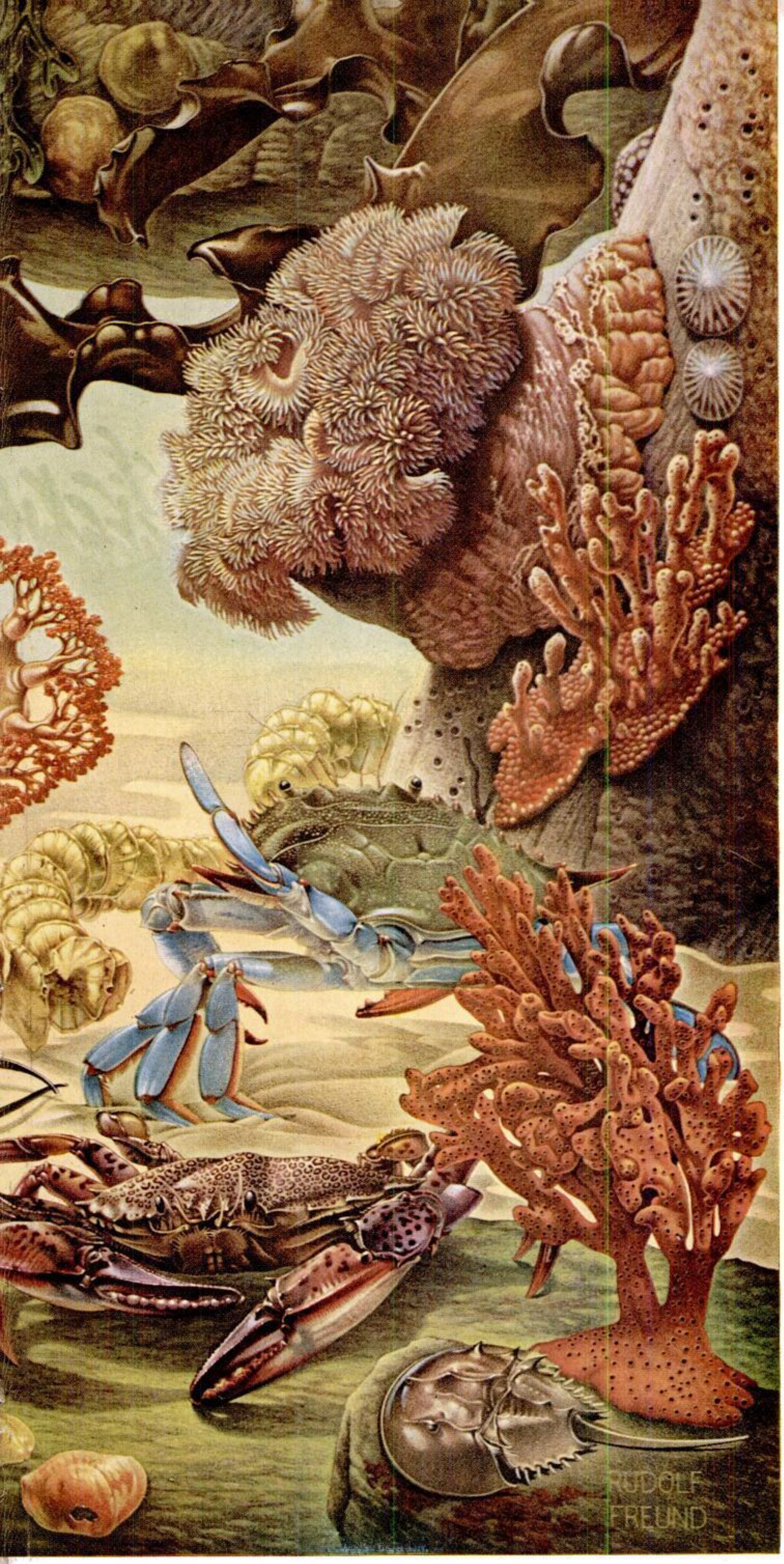
CHIASMODON NIGER 2 IN.

OPISTHOPROCTUS SOLEATUS 1 IN.

MELANOCETUS JOHNSONI 2 IN.

SNIPE EEL 2 FT.

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KELP

SEA ANEMONE

TORTOISE-SHELL LIMPETS

CLATHRIA DELICATA SPONGE

BLUE CRAB

EYED FINGER SPONGE

LADY CRAB

YOUNG HORSESHOE CRAB

# THE BOTTOM DWELLERS

AMID the weedy gardens of the inshore shallows, life flourishes as in no other region of the sea. Here upon the benthos, on the pallid sands and mud, a multitude of sluggish creatures subsist in a strange, slow-motion world where journeys are made in inches. The very quality of existence seems more akin to the kingdom of plants than that of the swift, darting fish, and many benthic creatures resemble plants in outer aspect and have plantlike names: sea anemones, sea cucumbers, sea peaches, sea grapes. Yet they are animals—members of the vast empire of soft-bodied invertebrates, engineered by nature for life on the ocean floor.

Since many of these are fixed or sessile creatures, like the Clathria sponge and soft coral, their major problem of subsistence is to find available space for attachment or refuge. Virtually every rock or sunken object, every area of sand or mud, has its creeping, crawling or sedentary tenants. An old wooden piling rapidly becomes an apartment house for tiers of barnacles, mussels, oyster drills, sea vases, sponges and pink-hearted hydroids. Layers of snails exploit the shells of their fellows as anchorage. When a snail dies a hermit crab may move into its vacated shell and carry it around with him like a trailer home, often with an anemone free-loading on top. Even beneath the surface of the sand and silt there are many mansions—the mazes of sea worms, the holes of moon shells, the burrows of fiddler crabs which venture forth at low tide in quest of food, and the hideaways of razor clams which thrust up their siphons only when the tide is in.

The foundation on which the whole edifice of benthic life depends is the rich supply of minerals dissolved in the water and stored on the ocean floor. To most marine life calcium is a crucial element, but especially to soft-bodied benthic creatures whose hard outer coverings not only protect them against predators and the pounding of the surf, but also provide anchorage for the muscles with which they dig and crawl. Calcium compounds reinforce the leggings and pincers of crabs, and help to form the delicate swirls of whelk, periwinkle and other snail shells, the spines of the sea urchin, and the "razor" of the razor clam. In the tropics, where calcium is absorbed more readily than in cold water, one species of clam grows shells of great thickness, often weighing up to 500 pounds.

The bottom minerals are also important to the plant life which flourishes in the sea gardens of rock weed, kelp and Irish moss that adorn the coastal shelves. Like most plants, large seaweeds require anchorage—even the floating masses of seaweed in the Sargasso Sea may consist of shore forms that have been torn away and swept into the circular backwash of the Gulf Stream. Though rootless, many seaweeds anchor themselves to rocks or sand by threadlike "holdfasts" or flat disks, as shown by the sea colander and *Phyllaria*. If their anchorage is deep, they may put forth stems up to 100 feet long so that their main foliage can float in sunlight, buoyed up by little self-contained bulbs of gas. The largest of the seaweeds are the kelps, flat brown plants that anchor in rocky areas offshore, beyond the zone of crashing surf. Few marine animals browse directly on the larger seaweeds. (One that does is the sea hare.) Some smaller algae, however, which grow like a furry slime on rocks and other sunken objects, provide food for certain crabs and shrimps and many sharp-tongued snails.

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**SEA SQUIRTS** often cluster in inch-high colonies over rocks and pilings where they feed by pumping water in and out of their digestive cavities through two body orifices. When alarmed they squirt water from both holes.

# LAZY HUNTERS OF THE OCEAN FLOOR

FOR many creatures of the sea, the water in which they dwell provides more than a medium of residence and respiration. It is also a kind of soup, a rich chowder, filled with an abundance of food particles which they need only strain out and ingest. In open water these particles consist of numberless small living animals and plants. On the bottom there is detritus—a kind of slime composed of decaying matter and the bacteria that break it down—as well as swarms of protozoans, tiny worms, larval forms and other small organisms. So whereas fish of the open sea expend their energies in a never-ending quest for food, most bottom dwellers live engulfed in food and have little more to do than open their mouths, if they have mouths.

Since locomotion is not necessary for a livelihood, many benthic creatures lead completely sedentary lives and simply wait for food to float past in the water with the moving tides and currents. Sponges and sea squirts anchor themselves to rocks or other solid objects and feed by pumping detritus-laden water in and out of their body apertures. Oysters and clams are also pumpers and spend their entire adult lives in beds. A few livelier organisms make somewhat more of an effort. Barnacles, for example, catch food particles in the bristles of their outstretched hairy legs which intermittently draw in the haul like seining nets. Sea cucumbers snuffle along the sea floor like vacuum cleaners, using their tentacles to shovel slime into their mouths. Their rate of movement is slow; some make 18 inches a day.

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**STINGING TENTACLES** of a sea anemone paralyze a small fish. The spiral whitish bands around each tentacle contain many small poisoned "needles." When the prey has been immobilized, it is drawn into the mouth.



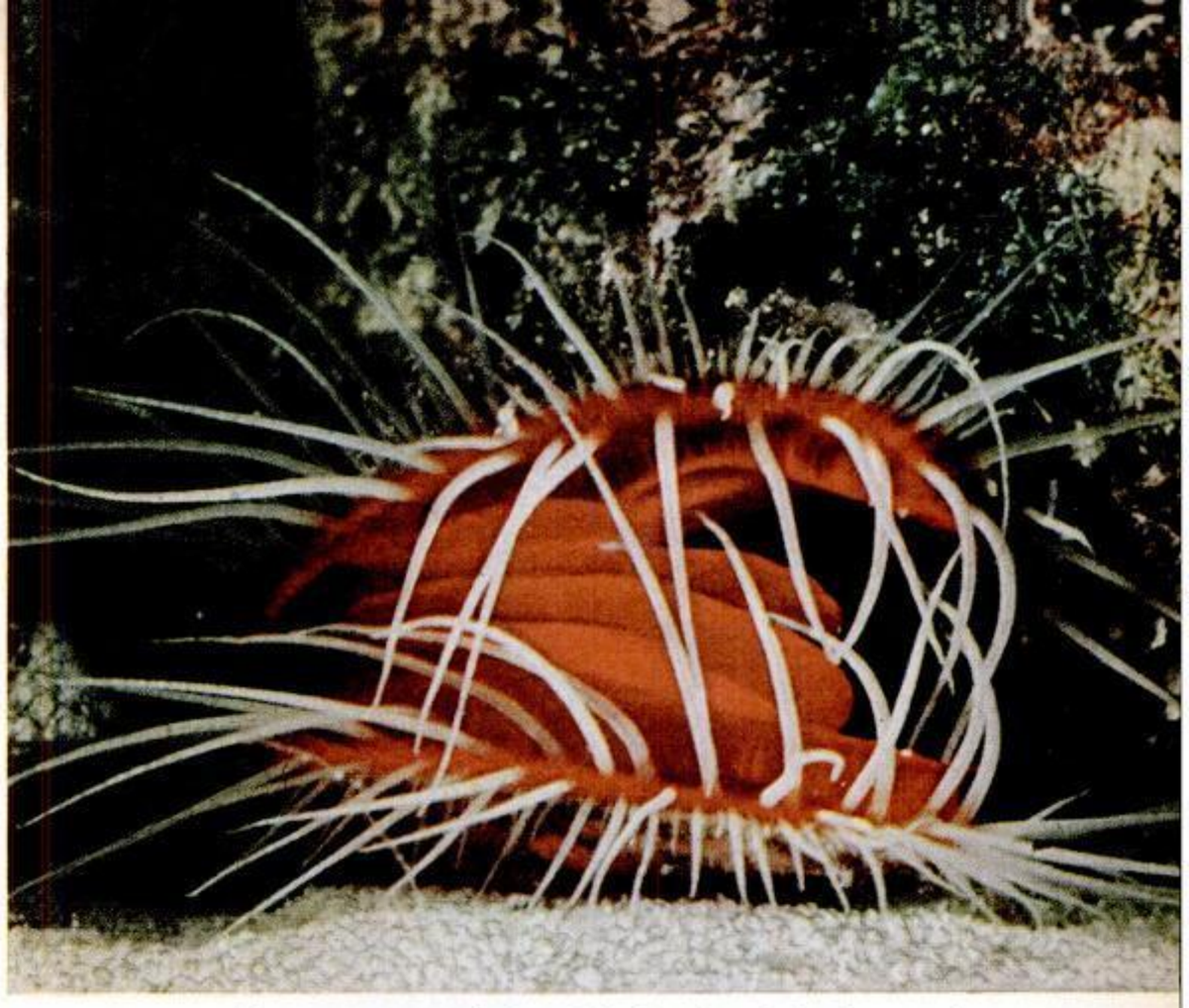


**THE SEA ANEMONE** looks like a flower but is actually a carnivorous three-inch animal capable of catching, killing and digesting relatively large prey. Its basal end is a slimy disk with which it clings to rocks or glides slowly across the sea floor.

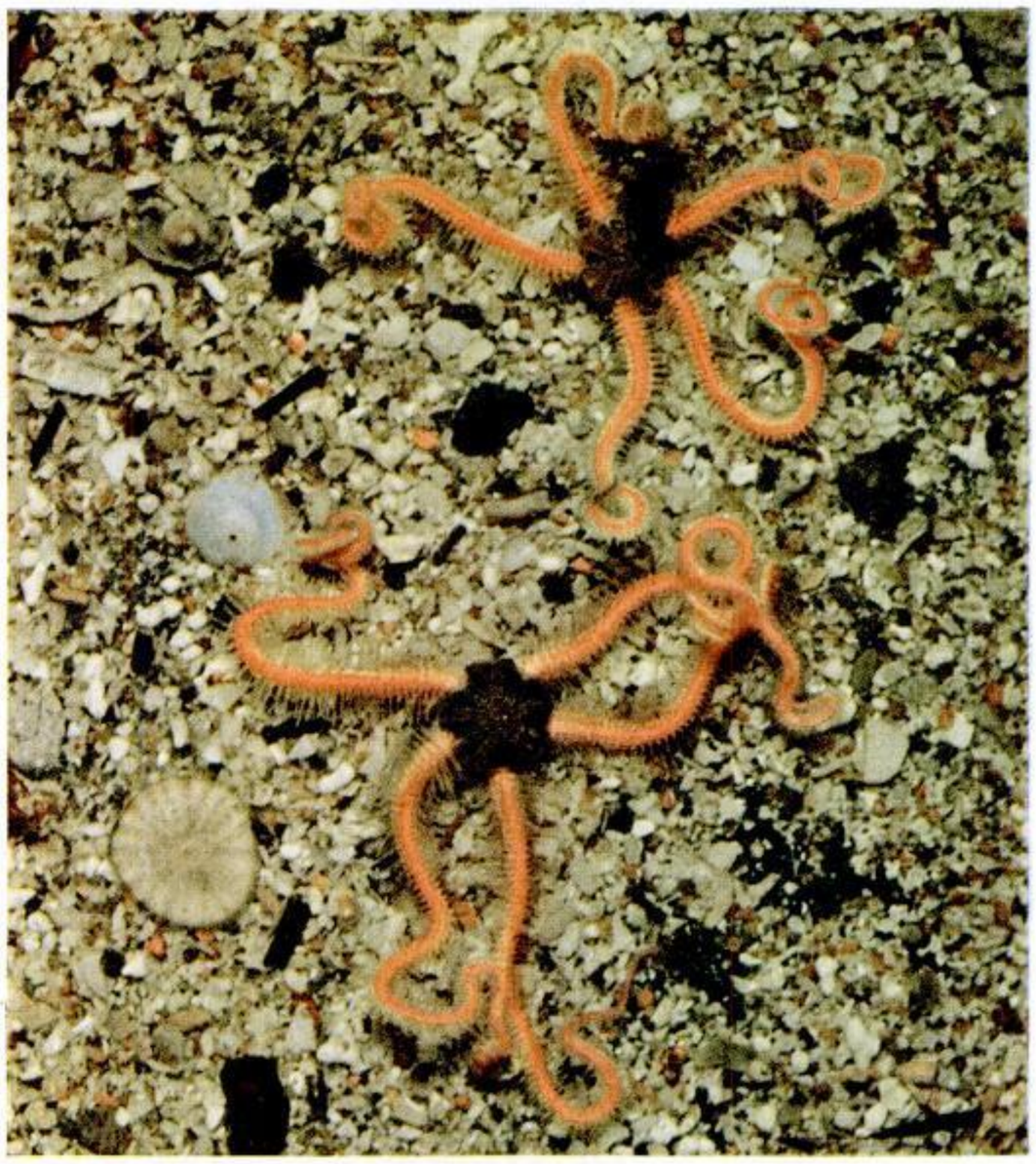
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**THE SEA URCHIN** (*right*) has a voracious-looking mouth on its underside armed with five efficient "teeth" which are capable of crushing small mollusks, of cutting up sea lettuce (a seaweed) and of scraping algae off rocks.



**THE SCALLOP** is the most active and alert of the bivalves. It has dozens of little blue or red "eyes" and tentacles which are sensitive to both taste and touch. It feeds by straining water through its scarlet, sheetlike gills.



**SERPENT STARS** are carnivores and scavengers which crawl along the bottom, mouth downward, searching for mollusks and also feeding on slime. If a serpent star is cut in two, each half will regenerate a complete animal.



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**A BOXING SHRIMP** fights off fishes that are larger than itself. Though only about one inch long and almost transparent, this delicate tropical creature pluckily rears up on its spindly hind legs at the first approach of danger and, raising its enlarged forearms, armed with strong pincers, fends off would-be predators with right and left jabs and uppercuts. Its long sensitive antennae and sensory hairs on its legs enable it to detect the approach of both danger and of food.

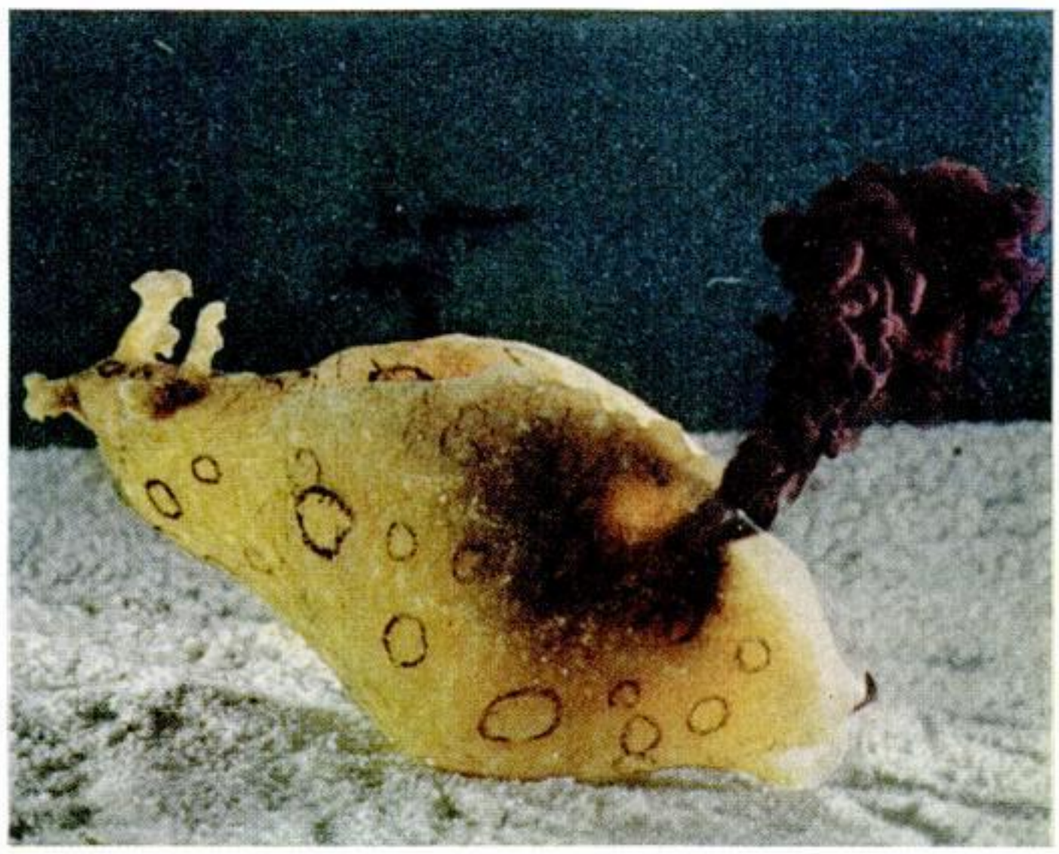
## THE ARTS OF DEFENSE AND CAMOUFLAGE

TO the creatures that inhabit its unvaried waters, the open sea offers little sanctuary comparable to the woods and thickets of the land, little refuge or ambush other than occasional flotsam, a random fragment of floating kelp or Sargassum weed. And so, to survive in a world of bitter predators, each species has had to evolve its own weapons and defenses. To some, like the tuna, shark and barracuda have gone the implements of sheer power—sharp teeth, swift reflexes, speed and strength. To others, slow-moving and apathetic, have gone shells or armor plate—as to the oyster, snail and clam.

Apart from these more familiar armaments, marine creatures have developed unique and highly specialized defenses of their own. Squid, octopi and some shrimp blind their enemies by discharging "ink" in the waters around them. The sting cells of jellyfish and anemones contain coiled, hollow darts which, when triggered, inject poison that paralyzes their attackers. Sting rays carry poisoned spines on their

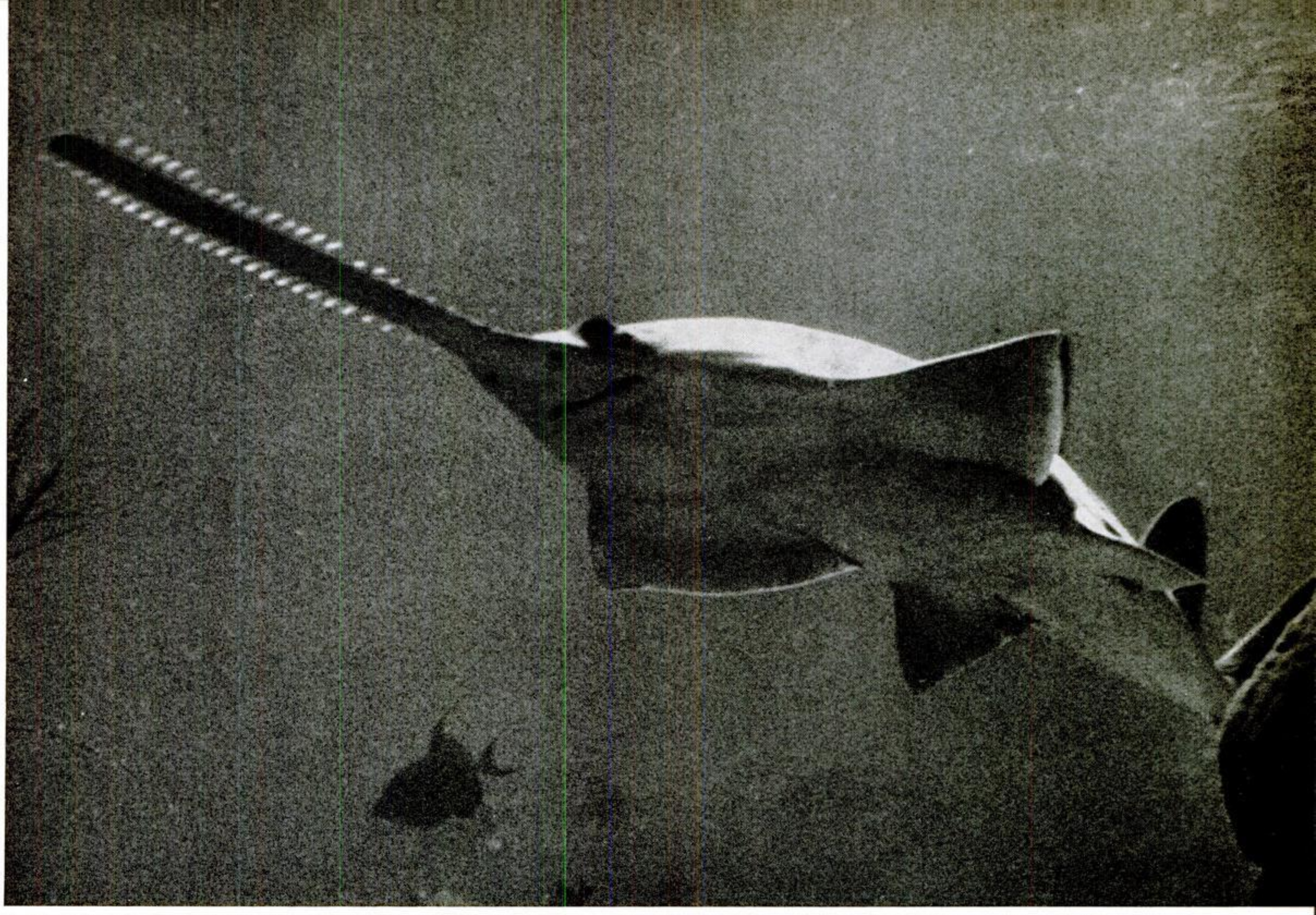


**HIDING FISH** lurk among the tentacles of a sea anemone. Mysteriously safe from the anemone's sting, these damselfish live in harmony with their dangerous host. They lure larger fish which the anemone kills. Then they share the feast.



**A SQUIRTING SEA HARE** defends itself by ejecting "ink." A species of mollusk, the sea hare gets its name from its long earlike "antennae." A related mollusk provided the "Tyrian purple" dye used by the ancient Phoenicians.

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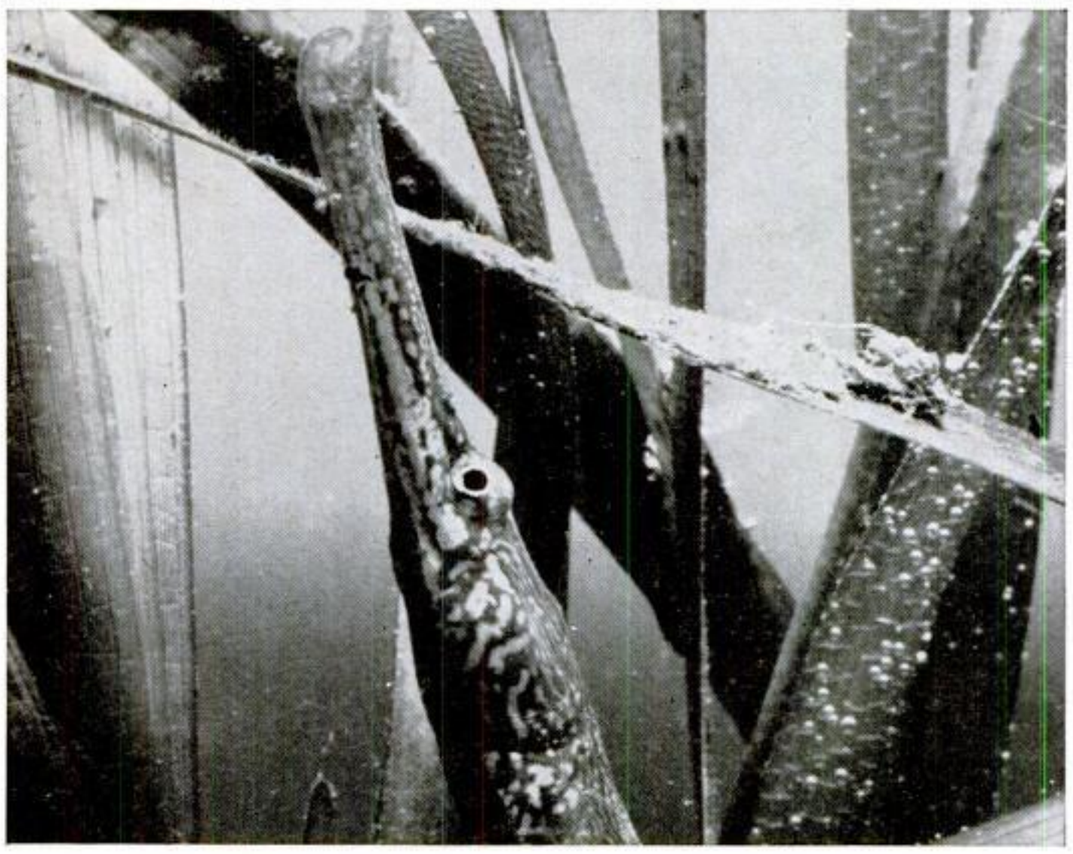


**A SLASHING SAWFISH** defends itself in combat with great flailing strokes of its serrated proboscis, which is equipped with two rows of 25 to 29 bony "teeth." No kin to the swordfish or marlin, the sawfish inhabits warm, shallow waters of the Atlantic and Pacific. It descends suddenly on a school of smaller fish, swimming into the midst of them and hacking them to pieces before they escape. Then at leisure it eats up the mangled victims that have fallen to the sea floor.

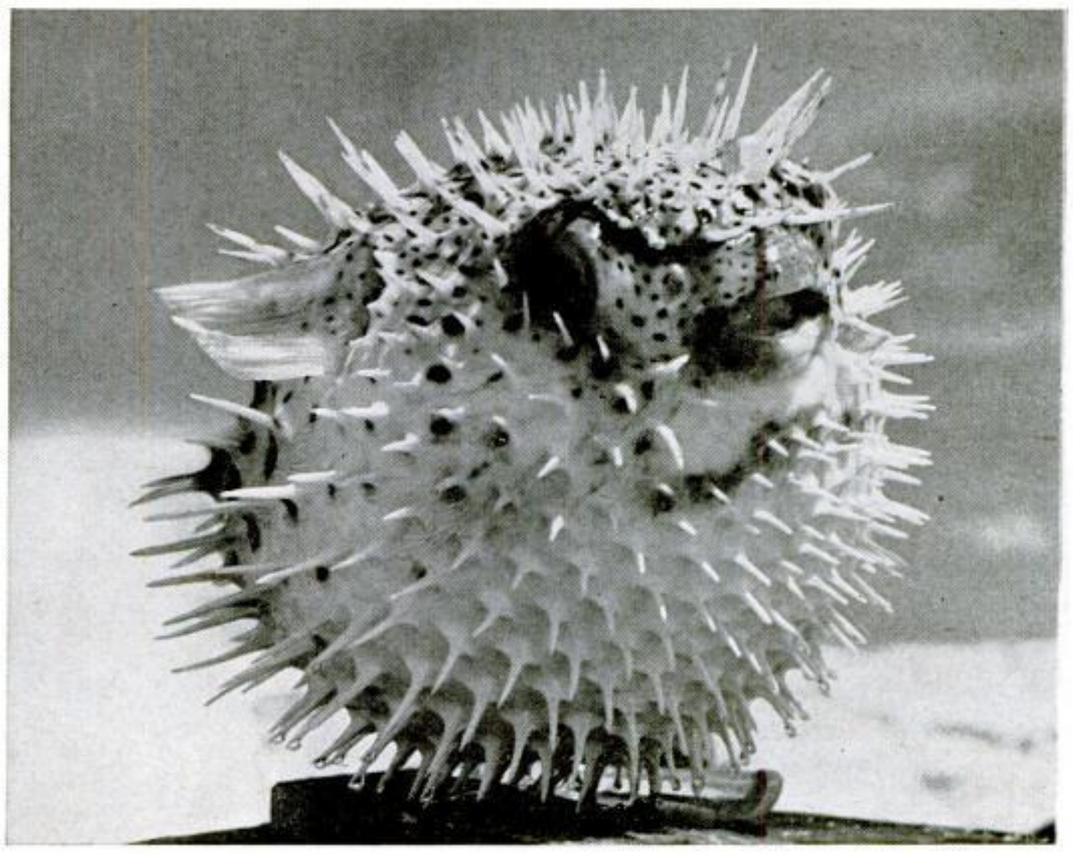
tails; other rays and some eels are equipped with electric organs capable of administering a severe shock. Sponges have minute spikes that lodge in the enemy. Most extraordinary of all is the diversionary tactic of certain sea cucumbers which, in a moment of extreme peril, eviscerate themselves and then, leaving their internal organs behind to distract the foe, slip away and grow new ones.

Many creatures that dwell upon the sand and among the eel grass and seaweed groves of the coastal shallows survive by imitating the forms and colors of their environment. Nowhere in nature has the art of camouflage been more highly developed than among these otherwise poorly defended animals. Flatfish and rockfish change color in accordance with the color of their background. Decorator crabs cement bits of seaweed over their shells and legs. The hermit crab, which has a tender rump, adorns it with discarded shells. Some sea urchins become covered with snails so they will look like a snail colony. There are, finally, certain relationships where a small animal attaches itself to a larger one for reasons of security—as in the case of the shark sucker and the shark, and the barnacles on the head of a whale.

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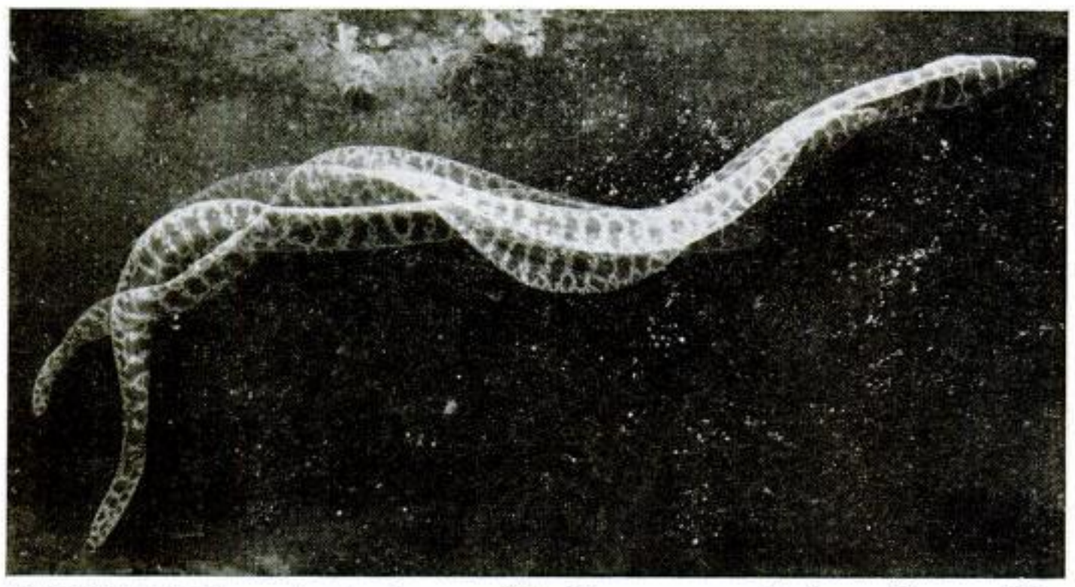
**A CAMOUFLAGED PIPEFISH** poises vertically among blades of eelgrass off the California coast, hardly distinguishable from them in form, position and color. Its long snout is adapted to probing for the small crustaceans on which it feeds.



**A BRISTLING BLOWFISH,** denizen of coral seas, inflates itself with water, thus presenting too big a mouthful for most of its natural foes to swallow. At the same time it erects the forbidding-looking spines that normally lie flat on its body.



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**UNDULATING** its entire body, a reef-dwelling moray eel, shown in repetitive flash photograph, advances somewhat as a snake wriggles on land. A moray is a true fish. Its suppleness enables it to slither into rock crannies in search of prey.

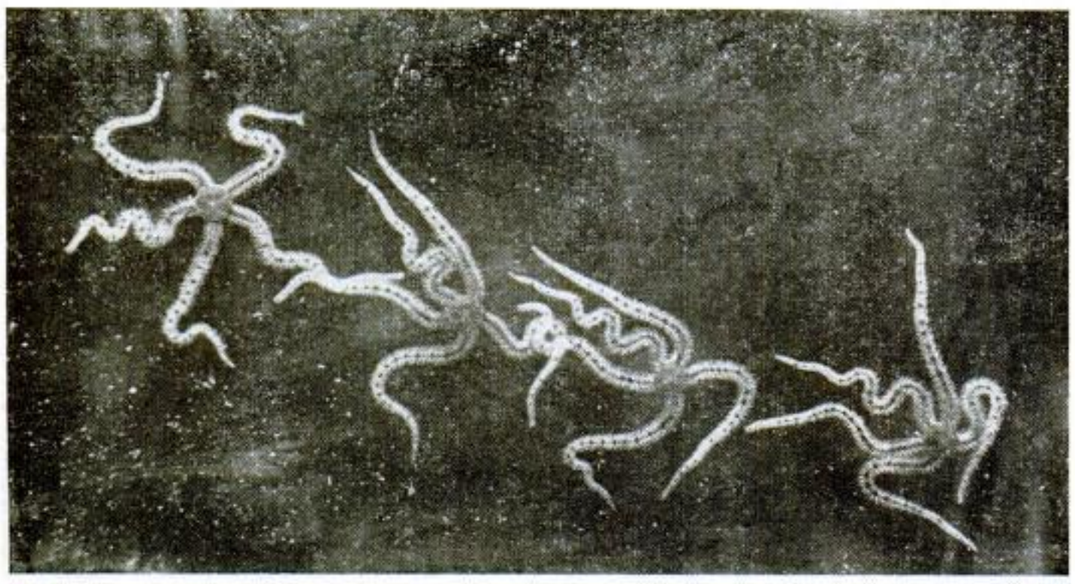
## ARTS OF LOCOMOTION

UNLIKE land animals to whom the thin air offers little resistance, aquatic creatures must expend great stores of energy to force their way through the dense medium in which they dwell. And so the populations of the sea have evolved many techniques and aids to locomotion—streamlining, jet propulsion and varied rhythms of movement. Since the specific gravity, or density, of water is virtually the same as that of its inhabitants, they have little difficulty staying afloat. Yet even the smallest of marine creatures are not entirely free from the tug of gravity, and in death the bones and shells of all, including the one-celled protozoans, sink into the oozes of the ocean floor.

For this reason many are endowed with special mechanisms to keep them suspended. Most fish have air sacs; others are honeycombed with oil deposits or swaddled in thick layers of fat. Not all creatures of the sea are fish, however, nor do all of them swim. Planktonic forms move but feebly and, for the most part, simply drift with the wandering currents, buoyed up by various flotation devices—such as long, branched feelers or side appendages. Bottom dwellers are for the most part either ambulatory: like crabs and lobsters which crawl on jointed legs, and like snails and anemones which glide on slimy feet; or sedentary: like oysters, sponges, barnacles and corals which simply anchor themselves to the ocean floor. The truly accomplished swimmers of the sea are fish and marine mammals—whales, porpoises and seals.

Contrary to popular opinion, most fish do not swim with their side or back fins; or more precisely, their fins serve less as implements of propulsion than as stabilizers, ailerons, rudders and brakes. Their main propellant is body movement, augmented by pushing action from the tail or the extrusion of water from the gills. The movements range in degree from the complete undulation of the eel to the restricted action of the stiff, armored boxfish which can move only its tiny fins and tail. But with the majority of fish, body movement falls between these two extremes; a pivotal point, usually at the base of the skull, moves straight ahead while segments of the body fore and

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**CREEPING,** a Caribbean brittle star, shown in repetitive flash photograph, pulls itself along with its two anterior arms and shoves with the other three. It is far more agile and flexible than its sluggish, stiff-armed cousin, the common starfish.



**DARTING** through the water like torpedoes, porpoises are among the acrobats of the sea. Speedy swimmers, they travel in spurts up to 25 mph, often leaping from the water in a sequence of graceful, arching bounds. Since they are air-breathing

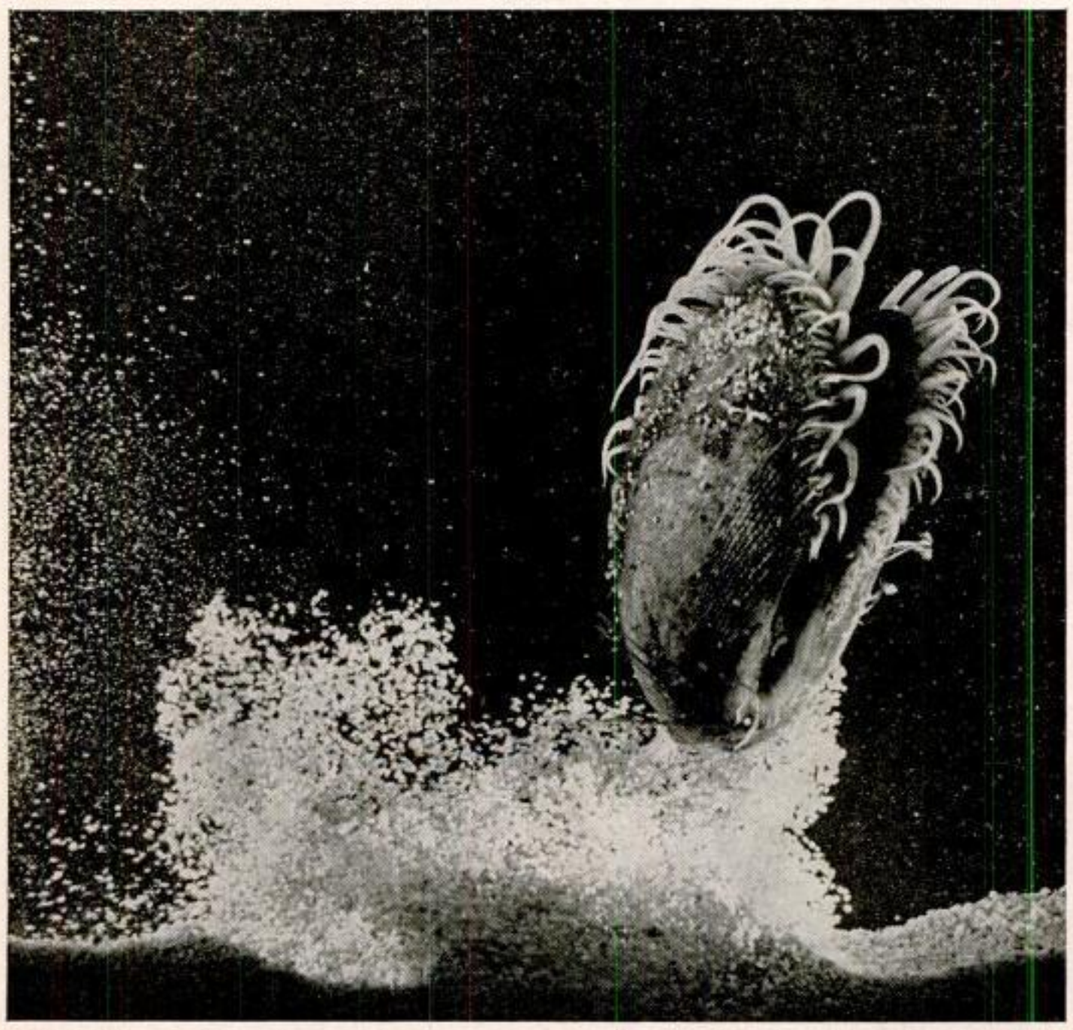


**JET-PROPELLED,** an octopus is equipped with a thick muscular mantle which it fills with water. It then extrudes the water through a movable funnel which can be turned in any direction. On the bottom an octopus crawls on its tentacles.



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mammals they must surface frequently, sucking in air through a blowhole situated on top of their heads, visible above in the porpoise which has just burst the surface. The holes close with amazing rapidity when they dive. Although porpoises have excellent eyesight, some scientists believe they gauge their distance from solid objects by emitting sonic and supersonic noises and mentally computing their position from the time of the echo, as bats do in the air.



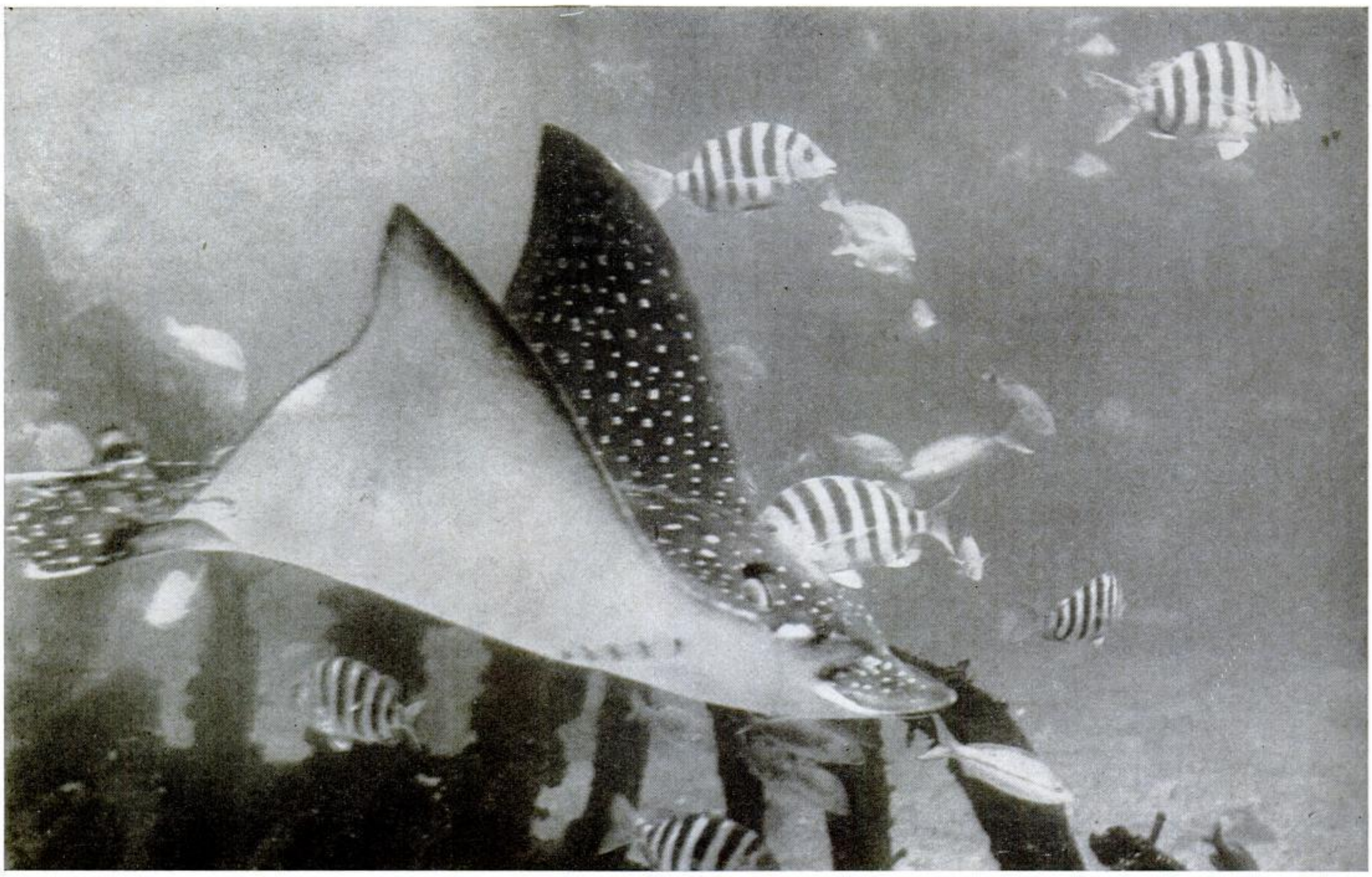
**JUMPING,** a Bahamian scallop escapes enemies by clapping its shells together like castanets. With every bang water is ejected, stirring up a cloud of sand and debris, and sometimes carrying the scallop a few feet from its point of take-off.



**WALKING,** a West Indian batfish appears to move like a land animal. Its fins not only look like legs but support the batfish when it rests on the bottom, and enable it to walk on the ocean floor. In swimming, it uses its tail as a propellant.



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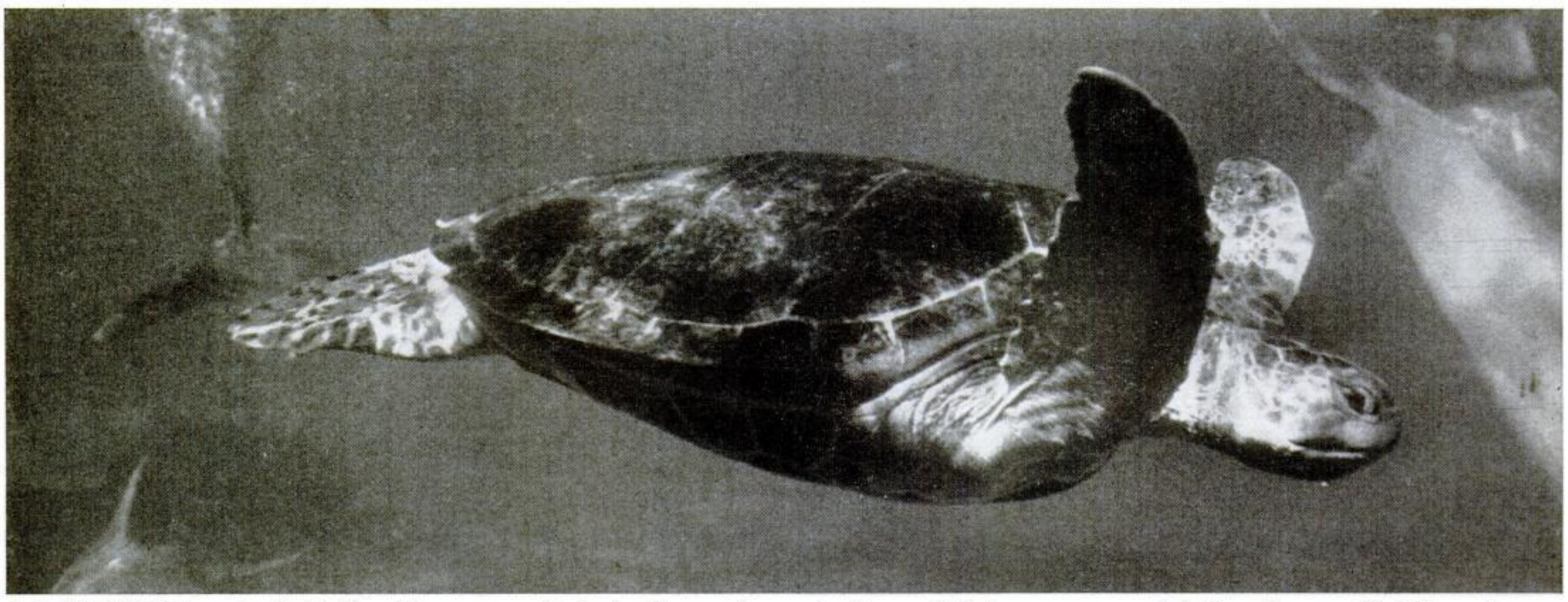
**AN EAGLE RAY** flies like some great bird of prey through its world of water and a school of sergeant majors, flapping its huge, winglike pectoral fins. A bottom feeder, the ray also uses its "wings" to agitate the sand in quest of mollusks. In a single night a ray may dig a ditch as wide as its 4-foot wingspread, a foot deep and 20 feet long. As it digs it scoops up clams and crushes them between its rows of flat teeth. It ranges in the Atlantic from tropical waters north to Cape Cod.

## LOCOMOTION CONTINUED

aft oscillate. Fish probably navigate partly by eyesight, partly by hearing, partly by tactile sense and partly by smell. Although they have no external ears, their auditory sense is highly developed, functioning by means of a lateral line or row of sound-receptor cells along the sides of their bodies which are connected in turn to the inner ear and the brain. They maintain equilibrium through small organs called statocysts. These are cavities lined with sensory hairs and containing some loose object, like a bony accretion or grain of sand, which inform them, even in the utter blackness of the abyss, whether they are upright or upside down.

One of the mysteries of marine biology is the manner in which fish manage to rest, for they have no eyelids and, like airplanes, must keep in motion to keep from falling. A few flat, benthic fish, notably flounders, soles, skates and rays, often lie down on the bottom mud and sands. Others wedge themselves in crevices for the night. Small pelagic types occasionally appear to bask among drifting seaweeds. But so far as the free swimmers of the open waters are concerned no one can say how they sleep, or indeed if they ever sleep at all.

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**A GREEN TURTLE** uses its slender front flippers as oars, feathering them neatly in unison, and its rear limbs as steering apparatus and kickers. On dry land it moves ponderously and without grace, crawling slowly along the warm Atlantic beaches to which it must return periodically to lay eggs. Of all the marine reptiles of the Mesozoic era, the turtle tribe almost alone has survived to flourish in the present day. A few small sea snakes also persist in parts of the Pacific.



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**SEA SLUGS** or nudibranchs, which are mollusks without shells, move about by sliding along on a muscular foot. They often crawl upside down while grazing on hydroids (*shown above*). If disturbed they lower themselves to the ocean floor at the end of an almost invisible thread of slime anchored to the hydroid, or, if in open water, to the surface film. Sea slugs nibble off the heads of hydroids, animals related to the coral polyp. The hydroid then grows a new head.

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**PLANKTON,** the basic food store of the sea, encompasses an immense variety of small floating plants and animals. The more important specimens are shown here without regard to true scale. Most are microscopic, although the largest, the bell-like medusa at bottom of left-hand page, is two inches long. They include: a diatom (*straight yellow rod near center of right-hand page*); radiolarians and foraminifera (*small circular shells to left of diatom*); a dinoflagellate (*pick-shaped object in*

## THE LUSH PASTURES OF THE SEA

OF all the categories of life in the sea the most far-flung and important is the diffuse aggregate of living things known as plankton. Spread across the oceans of earth, plankton is a floating community of both plants and animals concentrated in the surface waters. Most of them are small, even microscopic in size. But included also are slightly larger forms, tiny animals that feed on the single-celled organisms and spend their entire existence on the open waters, drifting whither the ocean currents impel them. The characteristic of plankton that sets it apart from other forms of oceanic life is that its powers of locomotion are too feeble to compete with the moving currents. Its name is from the Greek word *planktos*, meaning "wandering."

The importance of plankton to oceanic life is that it represents the basic food supply of the sea. For in the sea as on land the animal kingdom depends on the plant kingdom for food. Plants have the ability to convert simple inorganic substances into the complicated compounds like sugars, starches and proteins that provide nourishment and energy to animals. And so all life in the sea is dependent ultimately on the single-celled microscopic plants called diatoms, which constitute six tenths of planktonic material.

In addition to diatoms, plankton includes incomputable numbers of protozoans—one-celled animals like radiolarians and foraminifera,

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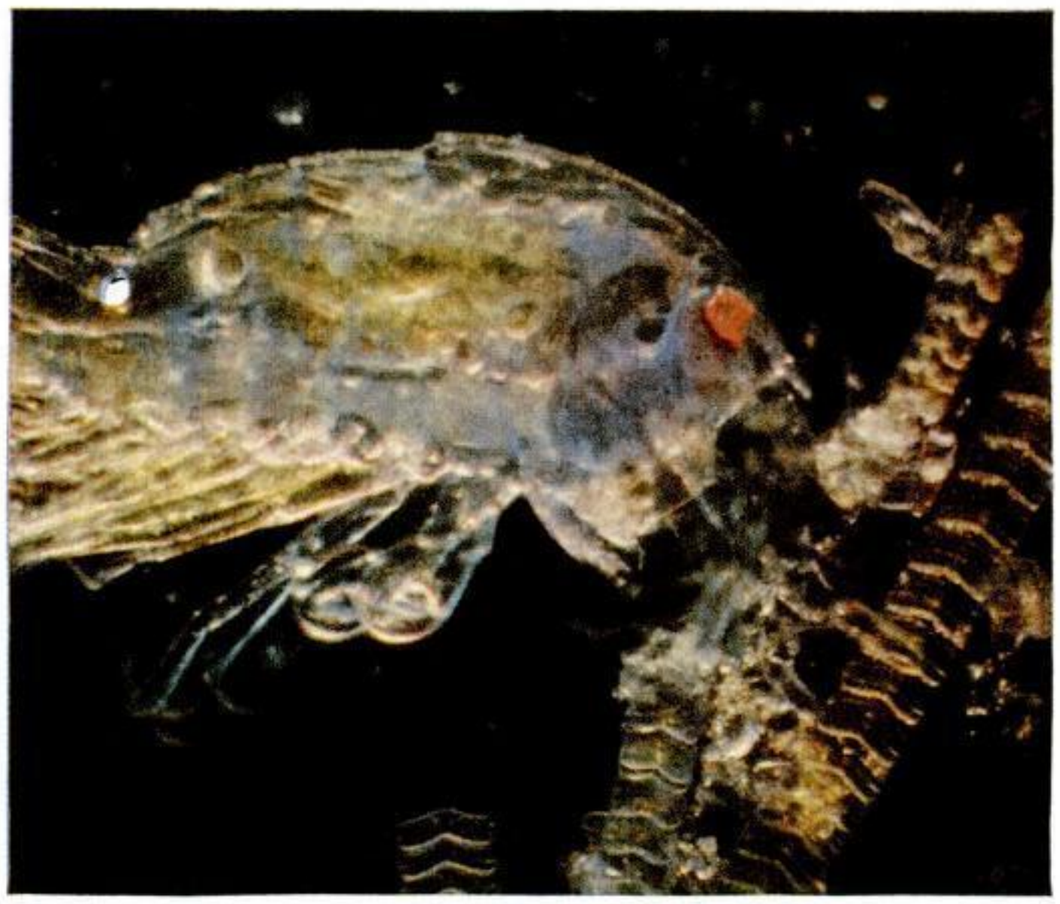
*lower center of left-hand page*); a copepod (*above the dinoflagellate*); a shrimplike mysid (*to right of copepod*); a "flying" snail (*top, center of left-hand page*); sea worms, one with two egg sacs (*near upper left-hand corner*) and one with tentacles (*upper right-hand corner*); sea "spiders" (*left-hand page, center right and upper right corner*); young fishes (*right-hand page, left center and top center*); larvae of sea urchin (*V-shaped object below fish*) and of spiny lobster (*next to tentacled worm at upper right*).

whose minute shells compose the oozes that blanket vast areas of the ocean floor, and the equally prolific dinoflagellates, half plant, half animal, whose transparent bodies give forth much of the ghostly luminescence that enkindles the tropic seas by night. Along with these, borne on the restless currents, ride numberless intermediate forms—tiny arthropods, such as copepods and mysids; the larvae of sea urchins, snails and lobsters; sea worms and sea "spiders"; and many kinds of baby fish, together with a few larger floating forms such as jellyfish and Portuguese men-of-war. All these, representing thousands of species of aquatic creatures, make up the world of plankton.

Although plankton does not include free-swimming adult fish, some of its creatures move about within a small range. Each day at dawn the planktonic animals descend to avoid the light of day; each evening at dusk they rise again. Their daily vertical migration is probably the source of one of the outstanding mysteries of oceanography—the so-called scattering layer of unidentified solid objects that reflect sound echoes within a fluctuating range of 300 to 1,500 feet. While some scientists attribute this phenomenon entirely to planktonic creatures, others think it may be caused by the dense hordes of shrimp, squid and larger fish that graze upon them. Wherever the teeming pastures of plankton luxuriate, all forms of marine life abound. For plankton is the food factory of the sea, the start of the endless food cycle that sustains all creatures of the open waters from sardines and herring to the titan of the oceans, the blue whale.

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**COPEPOD EATS DIATOMS.** Despite their tiny size—from a pinhead to a quarter of an inch—copepods are among the world's most important food animals. For the food cycle of the sea begins with their consumption of microscopic diatoms.

# THE ENDLESS CHAIN OF FOOD

SAVE for those small animals that graze on diatoms in the huge communities of plankton, virtually every free-swimming creature lives on the flesh of others smaller than itself and represents a meal for others larger than itself. It is estimated that 10 pounds of food are required to build one pound of the animal that eats it. Thus it would take 10,000 pounds of diatoms to make 1,000 pounds of copepods to make 100 pounds of herring to make 10 pounds of mackerel to make one pound of tuna to make 1/10th of a pound of man.

Since the open sea provides no repository or hiding place for food, each meal must be caught and eaten alive. And so the ocean's populations are involved in a never-ending cycle of eat and be eaten, pursuit and flight; each living creature in the sea is at once hunter and hunted, feeder and food, predator and prey. And when an animal dies or is torn asunder its remains sink to the bottom where they are consumed by scavengers or decomposed by bacteria. Then they become detritus, either to be consumed again by detritus feeders or wafted aloft through upwellings to provide dissolved fertilizer for the diatoms on the surface waters. And so the food cycle of the sea is eternally renewed.

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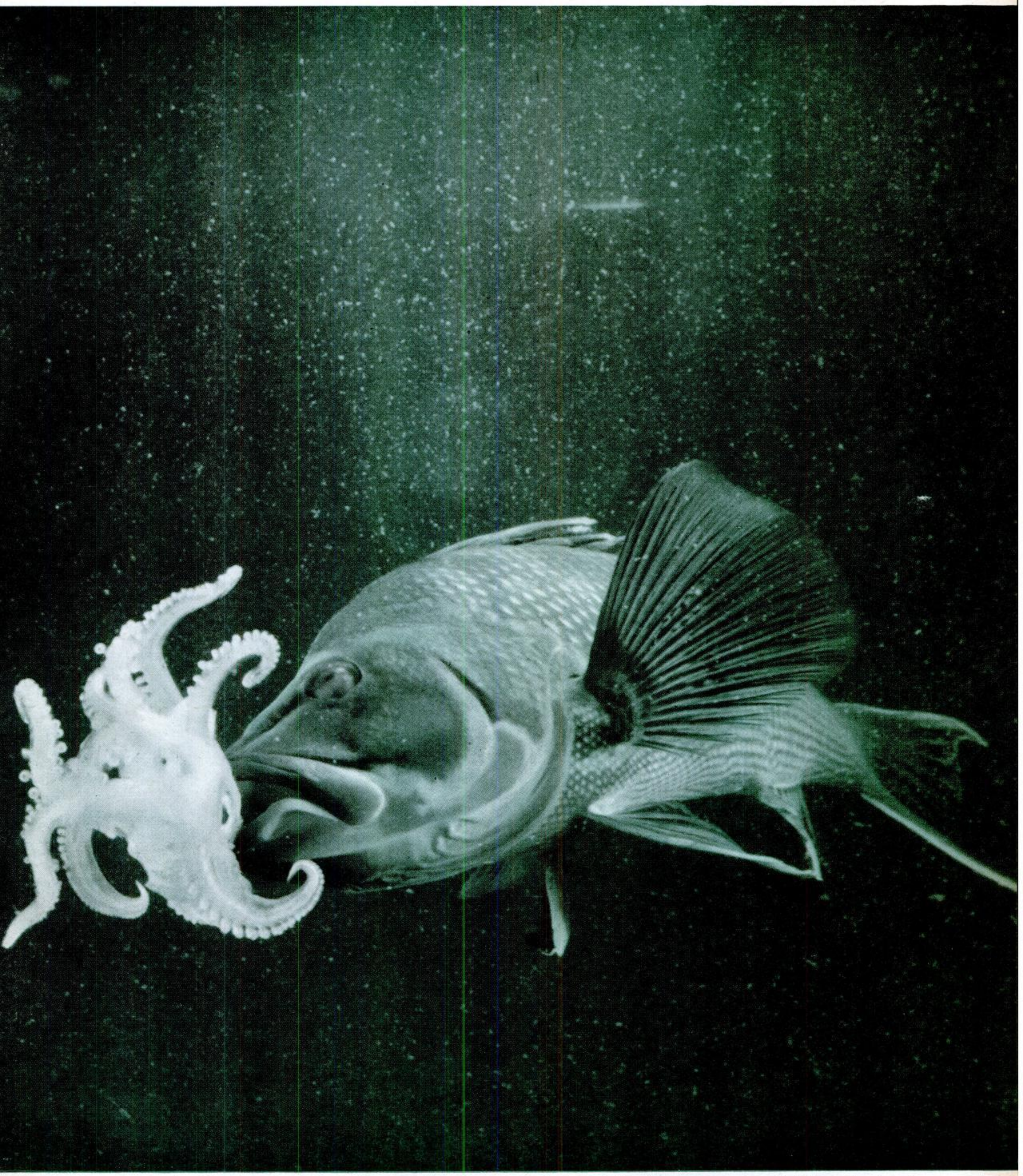


**HERRING EATS COPEPODS.** Diatom-fed copepods constitute a favorite food of the baby herring which has sievelike "rakers" in its gills to sift them with. Examination of a herring's stomach once disclosed 60,895 copepods inside. The herring group, which includes sardines, shad, menhaden and alewives, is considered to be the most valuable of all fish groups because of its wide distribution and the abundance of food it supplies to other marine creatures and to man.



**SQUID EATS HERRING.** Varying in size from one inch to more than 50 feet, all squid are carnivorous and predacious, subsisting on fish, crustaceans and other mollusks. When a squid catches a fish in its tentacles, it draws the fish toward its mouth, which is equipped with a horny, parrotlike beak; then, holding its victim firmly, it bites out big chunks which it gulps down. The eyes and brains of squid and octopi are among the most highly developed in the marine world.

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**BASS EATS SQUID.** An adult sea bass attains a length of about 18 inches and a weight of perhaps six pounds. Its consumption of the squid that ate the herring that ate the copepod that ate the diatoms marks the penultimate stage of this particular food cycle. The ultimate stage may be reached when the bass is caught and eaten by man. Or if the bass escapes predators and dies of other causes, its dead body will sink to the bottom and there be consumed by scavengers.

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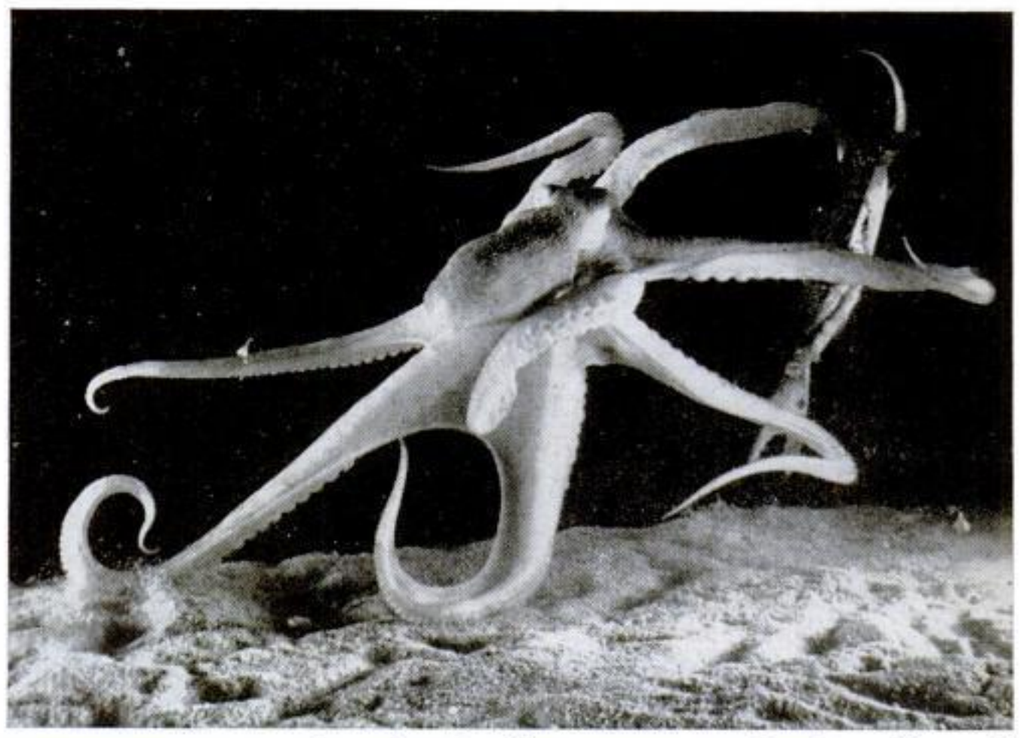
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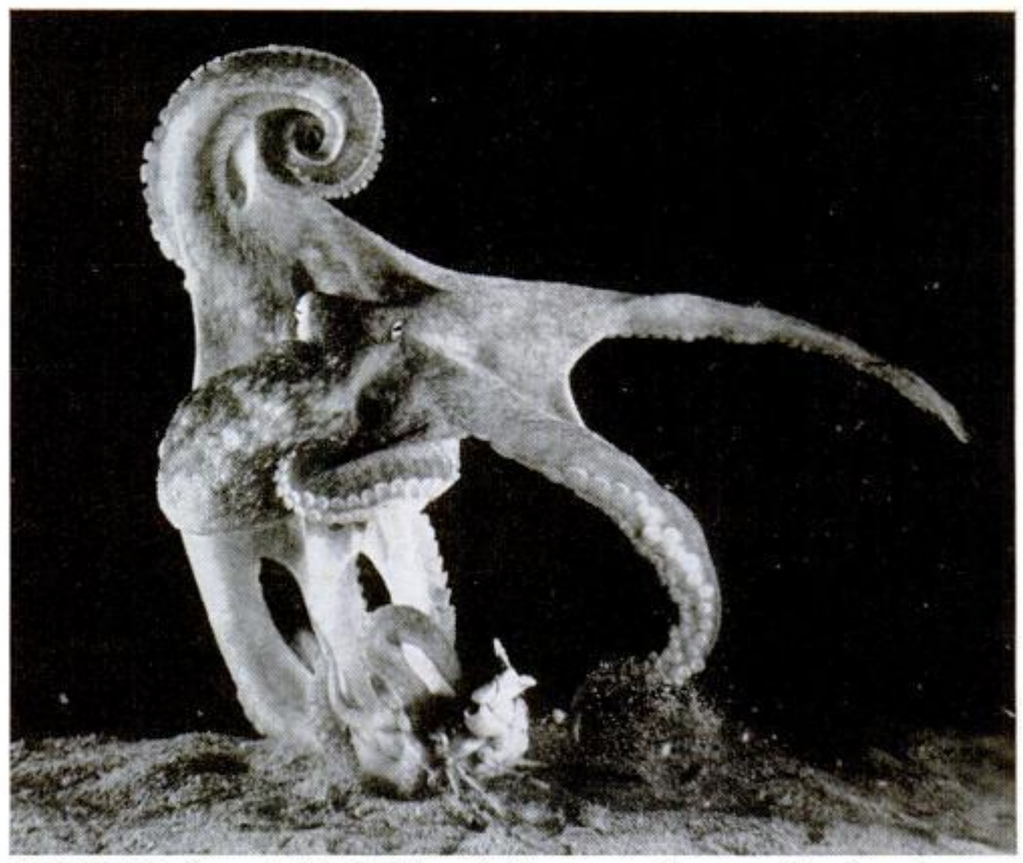




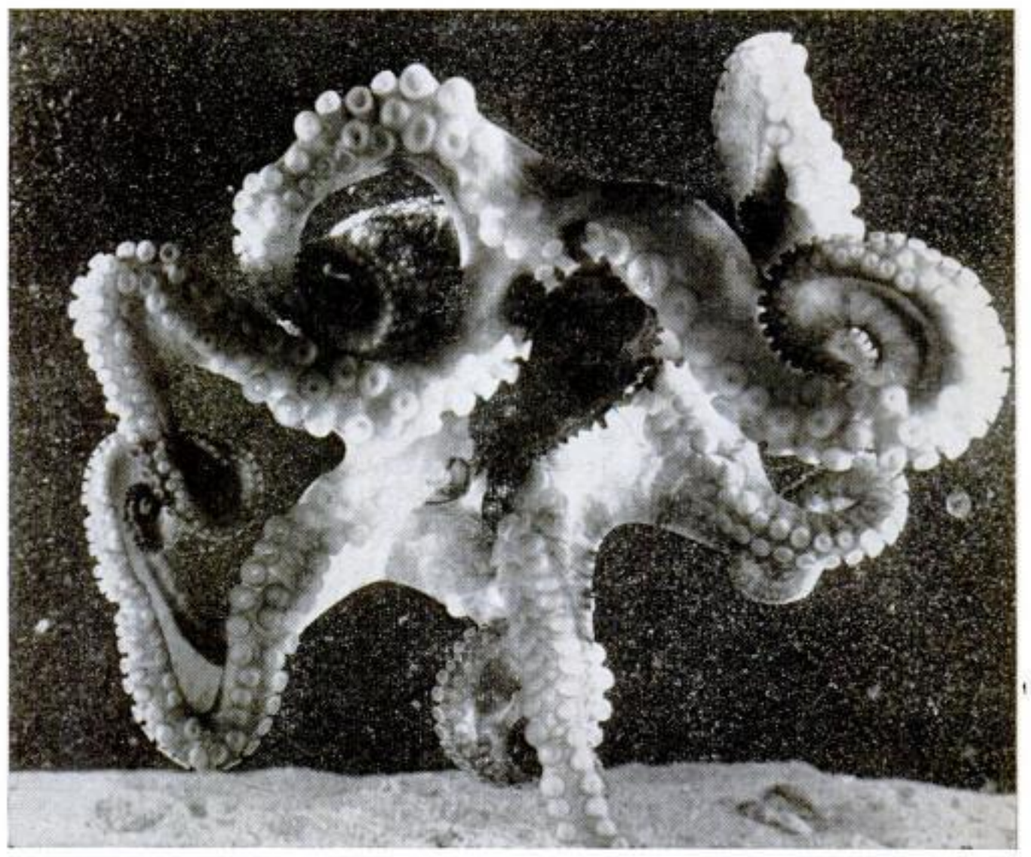
# AN OCTOPUS CATCHES ITS FAVORITE MEAL: A SUCCULENT BLUE CRAB



**IN SWIFT PURSUIT,** a three-foot Caribbean octopus reaches for a blue crab which is its favorite article of diet. The crab first tries to bury itself in the sand, then darts away and temporarily escapes the octopus's lashing tentacles.

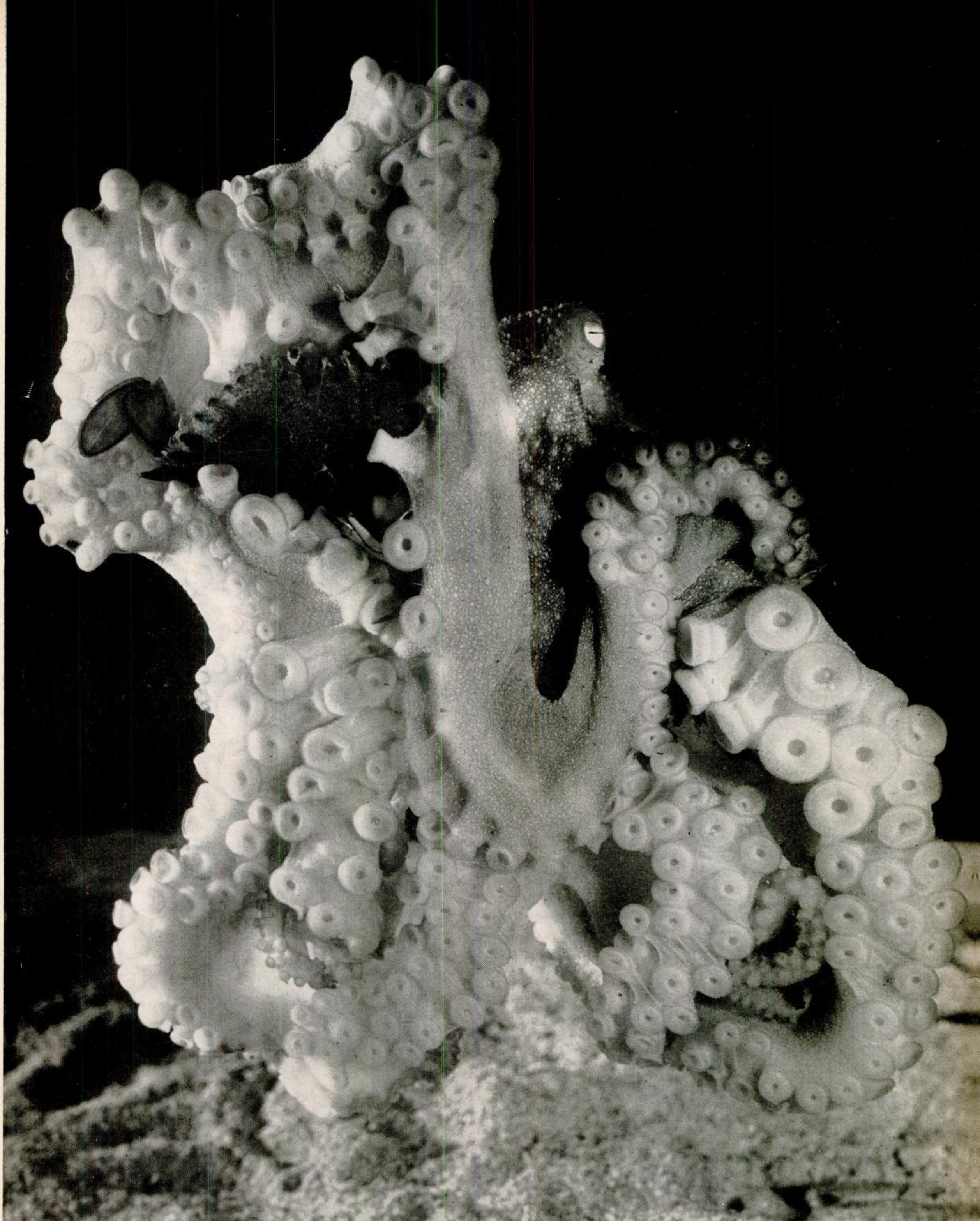


**CAPTURED,** the crab lies helpless in the octopus's grasp, already minus one joint which the octopus has torn off. If necessary, as with larger prey, the octopus might simply drop down and engulf the crab in its mantle like a tent.



**DOOMED,** the crab is drawn inexorably toward the octopus's mouth, which is equipped with a horny, pointed beak easily capable of crushing the crab's shell. But the octopus prefers to suck the crab's flesh slowly from its casing.

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**LINGERING OVER ITS REPAST,** the octopus plucks the soft crabmeat from each joint with its beak while holding the crab with the powerful suction cups on its tentacles. At the end of two hours the crab is nothing but a hollow shell. Reputedly dangerous to man, the octopus is actually a timid animal that flees at the approach of any swimmer. Various species range in diameter from one inch to almost 30 feet. All octopi have eight tentacles. Their relatives the squids have 10.

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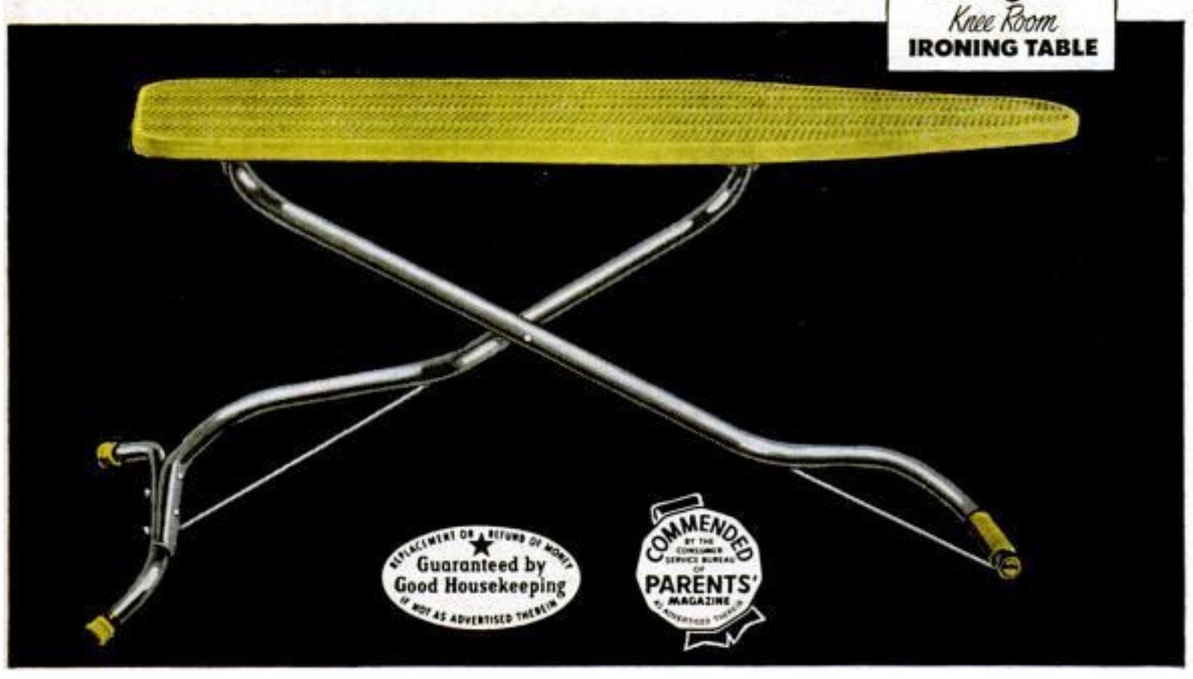
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**A SEA SLUG LAYS EGGS** in flat ribbons of mucus, which it cements to rocks, sea grasses or other solid objects. The eggs are already fertilized, for sea slugs are hermaphrodites, each bearing a complete set of male and female organs.

## LIFE AND DEATH IN THE SEA

THE sea is at once a vast cradle and graveyard of life, a nursery where incalculable hosts of visible and invisible creatures procreate and abide and a battleground wherein the chances of survival may be but one against 10 million of violent death. In the transition from egg to adult each creature must run a gantlet of ever larger enemies whose pursuit never ends.

Those that escape being eaten may succumb to starvation, to parasites that invade their internal organs, or to immense catastrophes occasioned by storms, shifts in ocean currents or changes in the temperature or composition of the sea water. Recurrent "red tides" caused by an explosive increase of dinoflagellates, which consume vast quantities of oxygen and emit vast quantities of toxic wastes, from time to time annihilate fish life on a prodigious scale.

But if the sea is wasteful of life, it is also prodigal in its inception. The reproductive rate of marine creatures confounds the imagination of slow-breeding man. If every codfish egg laid in the sea ultimately grew into a surviving adult, in six years the Atlantic Ocean would be packed solid with cod. A female codfish may lay up to five million eggs at one time, an oyster 11 million, a sunfish 300 million. A spawning sea hare lays eggs at the rate of 41,000 per minute, producing perhaps 500 million in a single season. If each one matured and reproduced for four generations, the resulting mass of sea hares would occupy a space about six times the volume of the planet Earth.

The exigencies of existence in the sea are such, however, that the miracle of marine life consists not so much in the profusion of eggs as in the fact that any survive at all. Only a few sea creatures care for either their eggs or their young. In most cases eggs are discharged freely into the water, there to drift with the currents or settle to the bottom and take their chances of escaping the numberless voracious predators, including their own parents, that wait to devour them. Yet the mechanisms of nature are so exquisitely adjusted that the average survival, for example, of only one oyster egg in half a billion is sufficient to preserve the balance between overpopulation and extinction of the species.

The development of an egg into a larva neither terminates the

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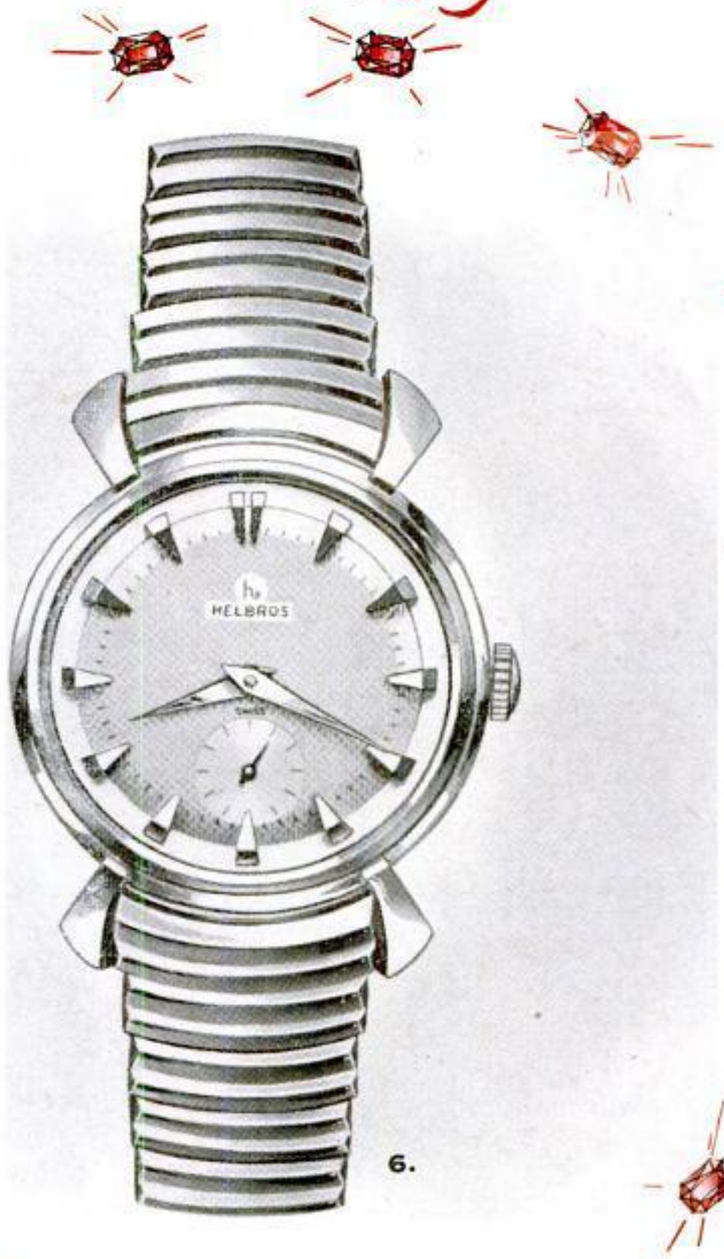


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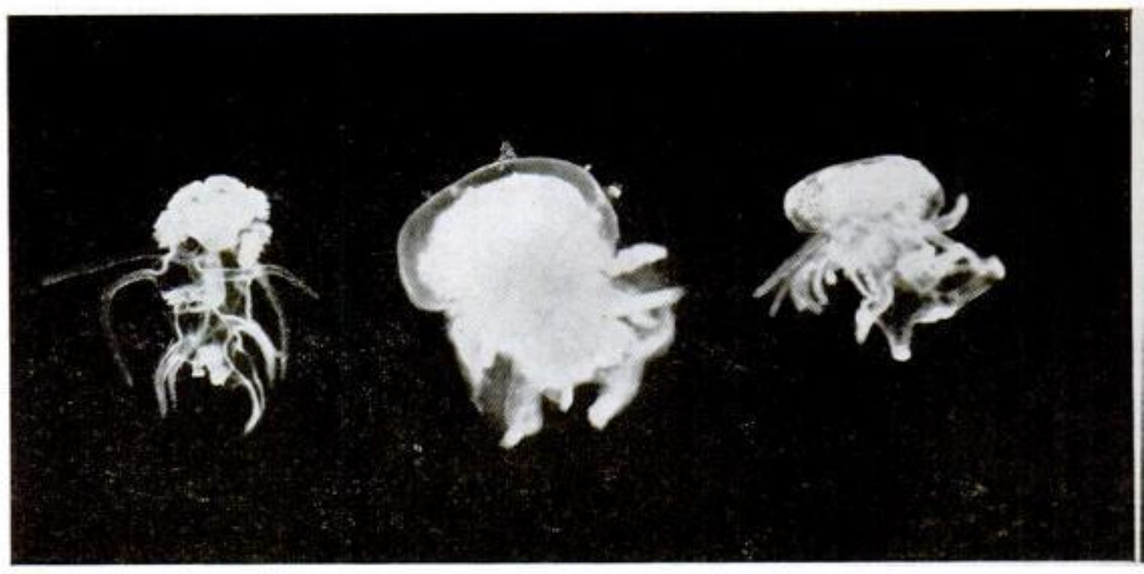

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**DEVELOPMENT OF A STARFISH** involves a free-floating larval stage (*left*) lasting from three to four weeks during which it looks more like a jellyfish with



individual's hazards of survival nor lessens its prospects of annihilation. For example, the eggs of one species of clam develop into free-swimming larvae one day following fertilization. After subsequent days of growth and development, a larva that has escaped being eaten settles finally to the ocean floor, where, if currents have swept it over an uncrowded area of bottom, it may dig into the sand or mud and there ultimately mature into an adult clam. But it may also drop down onto the parental bed where the older population may be clustered thickly—perhaps several adult clams to every square foot of surface—all busily pumping sea water in and out of their double-barreled syphons. There the baby clam may be sucked into the syphons of some kinsman and cannibalistically consumed.

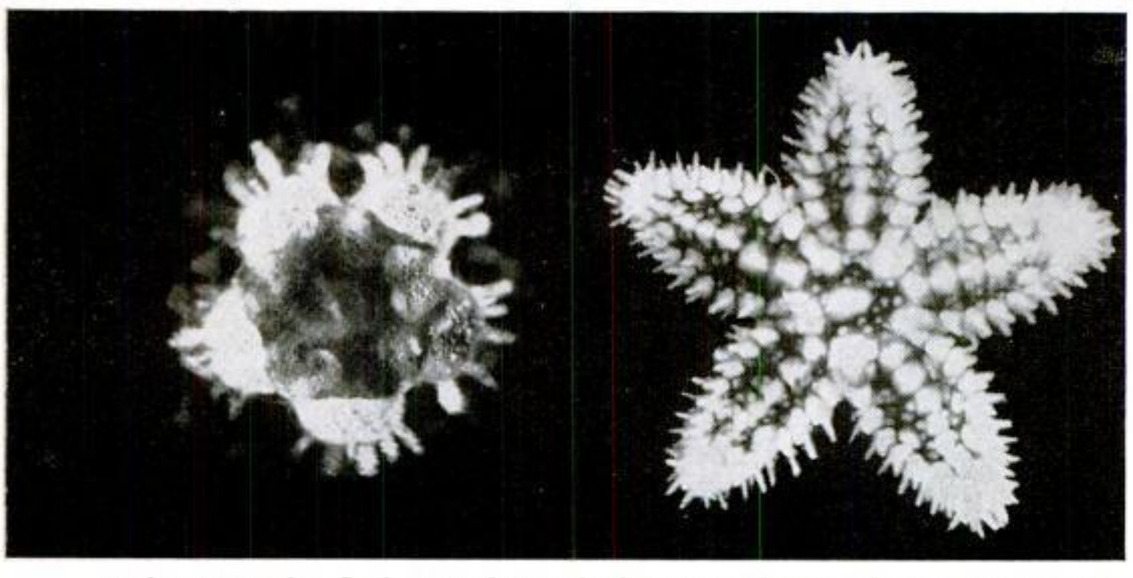
The development of sea creatures from egg to adulthood sometimes involves an interval of many years and the negotiation of many a sea mile from birthplace to final habitat. Many forms of both vertebrate and invertebrate life employ the restless currents to disperse and deploy the species. Some creatures cover tremendous distances during their early development. Perhaps the greatest of all instinctual migrations is that of the European eel. Each autumn, in response to some deep and mysterious urge, adult eels leave the fresh waters where they dwell and come down to the sea. Then, guided no one knows how, they find their way across almost 3,000 miles of the open Atlantic to their spawning grounds in the depths of the weed-strewn Sargasso Sea. It is here that their eggs are laid, and from here that the new-hatched eel larvae start their long journey home, sweeping with the great clockwise swirl of the Gulf Stream northward and eastward to the European shore. This immense journey takes the larvae three years. At its end, metamorphosed into elvers, they swim unerringly upstream into the rivers and lakes where they slowly develop into adult eels. About ten years later, reaching sexual maturity, they return to the sea, and head back to their remote Sargasso spawning grounds, there to reproduce and die. It is in these same far reaches of the sea that the American eels also engender their kind. Only for them the journey is shorter; the swing of the Gulf Stream carries the larvae back to the American coast in a matter of six months.

No less mysterious than the ability of eels to navigate their way across the uncharted ocean waste is the sensitivity of other fish to

## SOME WHO HELPED

**LIFE is indebted to the following scientists and institutions for assistance in the preparation of *Creatures of the Sea:* Rear Admiral Edward H. Smith, Drs. Francis A. Richards, Mary Sears and Per Scholander and Jan Hahn, Frank J. Mather, J. A. Posgay, William C. Schroeder and Harry J. Turner, Woods Hole Oceanographic Institution, Woods Hole, Mass.; Drs. Carl L. Hubbs, Martin Johnson, Robert Menzies and Claude E. ZoBell, Scripps Institutio of Oceanography, University of California; Drs. Fenner Chace, Doris Cochran, Remington Kellogg and Leonard P. Schultz and R. Tucker Abbott and Austin H. Clark, Smithsonian Institution, Washington, D.C.; Drs. Charles Breder and Libbie Hyman and Wilson Clarke, Francesca LaMonte, Angelina Messina and John T. Nichols, American Museum of Natural History, New York, N.Y.; Michael Lerner and**

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trailing tentacles. It then settles to the bottom and proceeds to grow incipient arms which lengthen into the five fully formed arms of a young starfish (*right*).

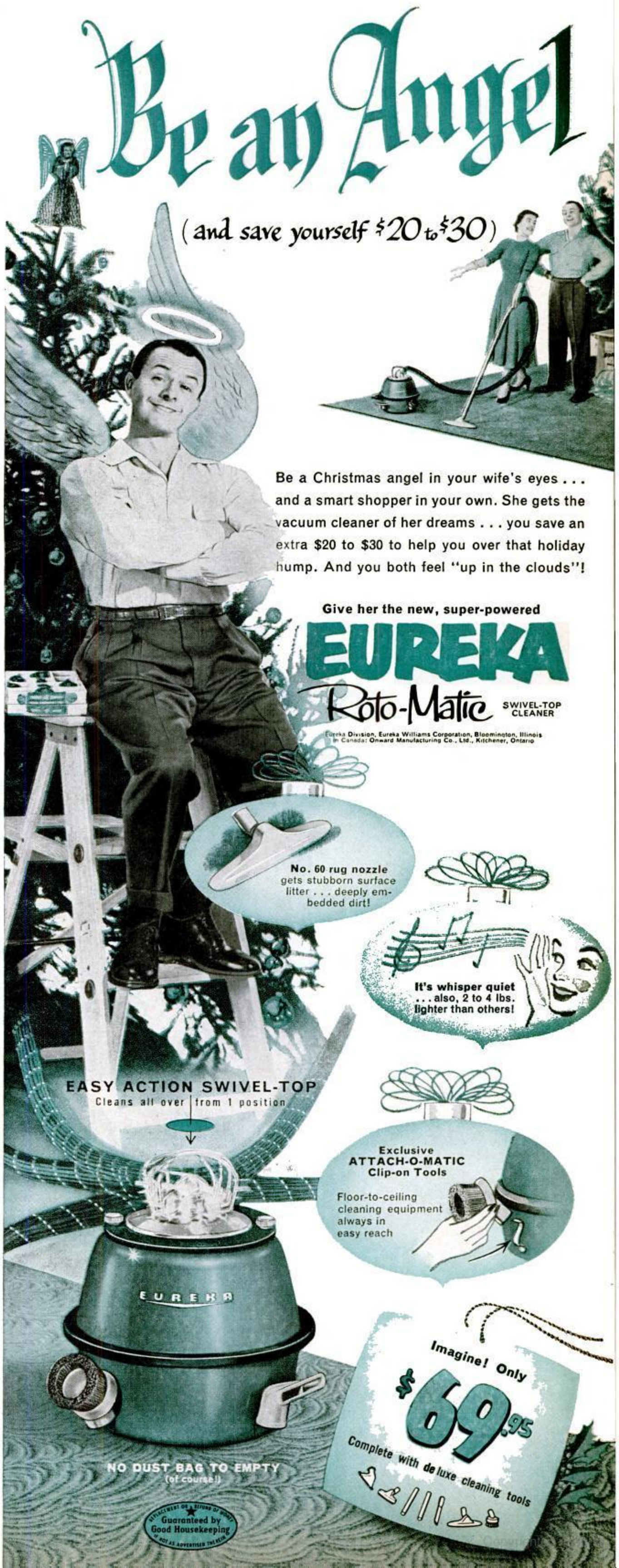
the rhythm of the tides. The success of their spawning depends on a delicate, unerring calculation of the phases of the moon and the advance of the tidal flood. Shortly after each full moon and each new moon between March and August hordes of silvery grunion appear in the surf off the California beaches. As the semi-monthly high tide reaches its maximum and begins to ebb, the grunion ride ashore on the larger waves. Glistening in the moonlight, they thrash around briefly on the wet sands, long enough for the female to extrude her eggs and the male to fertilize them. Then they fling themselves into an outgoing wave and are gone. Behind them, buried in the sand, the mass of fertilized eggs lies safe from the hammering of the surf, because the tide is on the ebb and not for about two weeks will the alignment of sun, moon and earth produce another tidal peak. So for a fortnight the eggs incubate in the warm sand. And then, when once again the waves break high on the beach, the eggs rupture, the baby fishlets emerge and are borne out to sea on the breast of the outgoing tide.

And so it is not only by the extravagance of their reproductive processes but by such exquisite adaptations to the environment of the sea that marine life sustains itself in the face of infinite dangers and the unceasing, implacable, internecine wars of kind against kind. Yet there is another thread that binds together the tapestry of life in the sea. That is longevity. No one knows how long fish, if spared from predators, starvation or disease, can live. But the age of some fish, like that of trees, may be read from annual growth rings formed in their scales, and there is evidence that certain freshwater fish—carp, catfish, pike—may live 100 years. Of the age of oceanic fish little is known. But one of the most provocative theories of modern biologists investigating the complex mechanisms of life is that the process of aging is inextricably linked with the process of growth and begins only when growth comes to an end. In the case of man and all terrestrial animals, the organism undergoes a definite period of growth during which the protoplasm, the actual living cells, continually divide and do not age. But when certain fixed dimensions are attained, growth terminates and the process of deterioration or aging begins. Although this does not apply to trees which may live for thousands of years, adding outer growth year after year until they succumb to disease, fire or the ax of man, it probably holds true for most land animals, because the tug of gravity imposes an outside limit on the size of moving bodies. Only a few terrestrial creatures ever exceeded the

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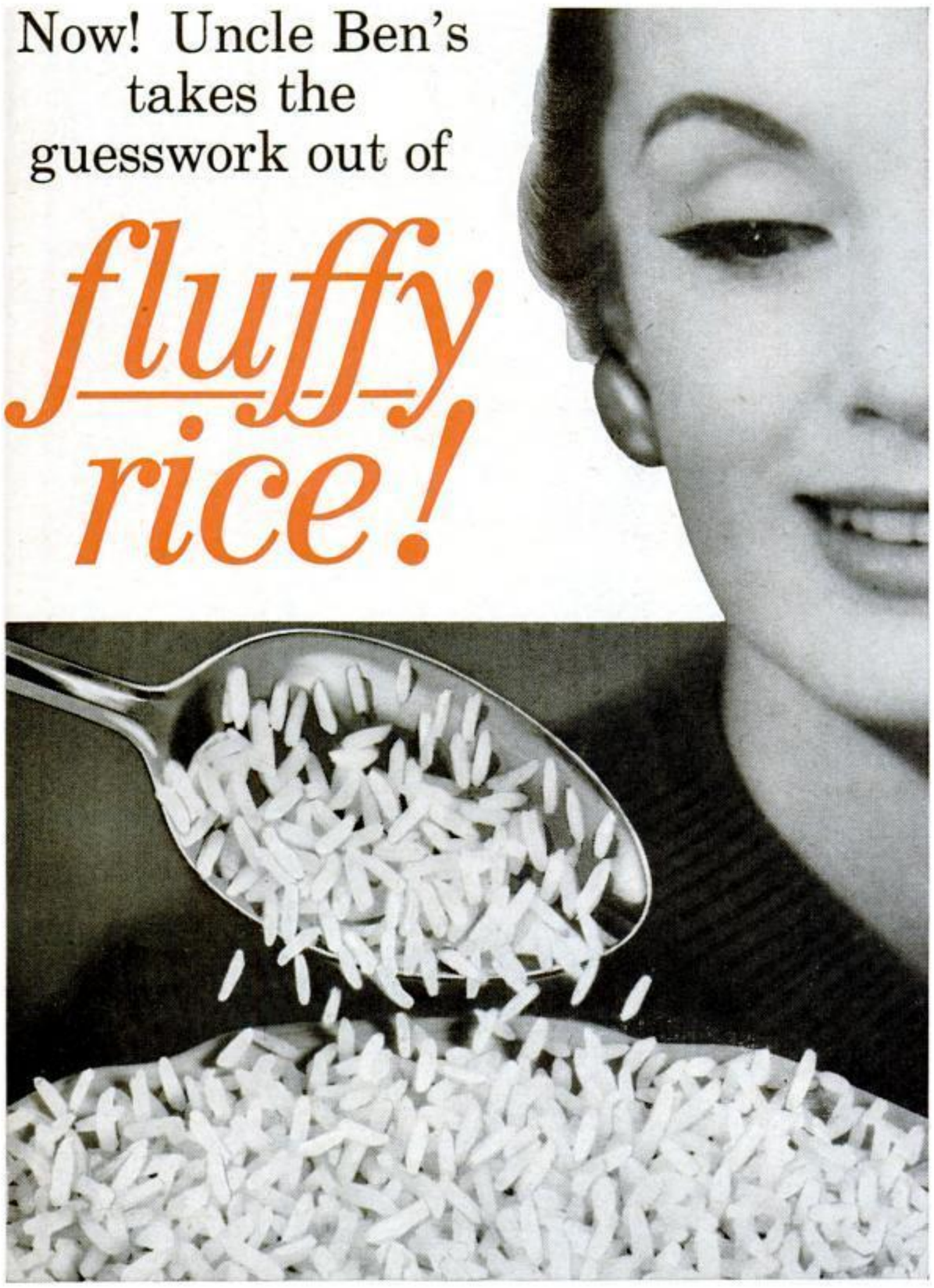
## PREPARE 'THE SEA'

**Marshall Bishop, The Lerner Marine Laboratory, Bimini, Bahamas, B.W.I.; Dr. William Beebe, New York Zoological Society; John Armstrong, Biological Laboratory, Cold Spring Harbor, L.I., N.Y.; Drs. Stanley Ball, Grace Pickford and Gordon Riley, Yale University; Drs. Alfred Romer and George Wald, Harvard University; Dr. Marian H. Pettibone, University of New Hampshire; Dr. Sears Crowell, Indiana University; Drs. F. G. Walton Smith, Hilary B. Moore and Luis R. Rivas, University of Miami; Dr. W. J. Rees, British Museum, London; Dr. Paul Galtsoff, U.S. Bureau of Fisheries, Woods Hole, Mass.; Dr. Maurice Nelles, Borg-Warner Corp.; Capt. J. Y. Cousteau; The Marine Biological Laboratory, Woods Hole, Mass.; The Allan Hancock Foundation, University of Southern California; The Marine Studios, Marineland, Jacksonville, Fla.; *Field & Stream*.**

Now! Uncle Ben's takes the guesswork out of

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*Exclusive process makes Uncle Ben's cook fluffy every time!*

Uncle Ben's always turns out fluffy. Never sticky. Never gummy. Anyone, even a beginner, can get a fluffy rice the very first time. (Fluffiness is *guaranteed* or your money back.) In fact, Uncle Ben's is so fluffy you can keep it in the refrigerator for days. Even for a week or longer.*

**Still fluffy after 10 days. From report of American Research and Testing Laboratories.*

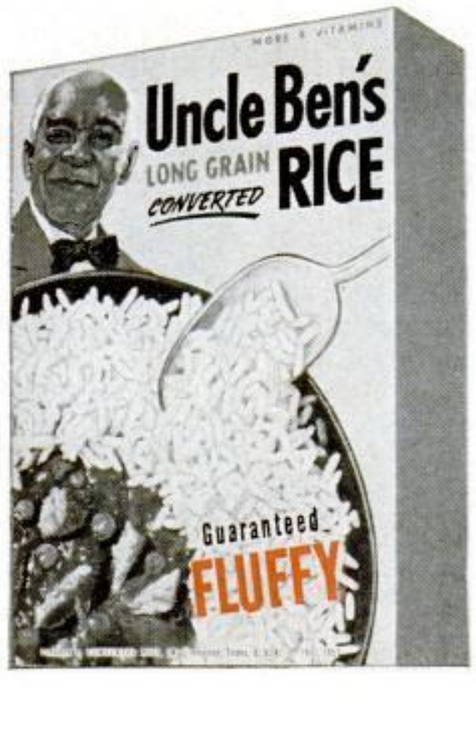
*So nourishing—it has the natural nutrition of whole rice!*

Rice in its natural state is very nourishing. But white rice, milled the ordinary way, loses almost all of its B-vitamins and minerals along the way. Uncle Ben's exclusive and revolutionary process retains about 80% of this valuable nourishment—seals it in the grain for keeps. It's the most nourishing white cooking rice you can buy. New recipes on every package.

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**Uncle Ben's LONG GRAIN *CONVERTED* RICE**

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Tune in Garry Moore on TV for Uncle Ben's Rice every Friday over CBS





**GRUNION MATE** on the moist sands of a California beach. Riding ashore at high tide, the female digs a hole in the sand with her tail and lays eggs. Here only her head sticks out of the sand while males circle around, fertilizing the eggs as she lays them. At the next high tide the baby grunion will hatch.

## LIFE AND DEATH CONTINUED

dimensions of the elephant and they are now extinct. But beside the 140-ton whale, the five-ton elephant is a dwarf, for the support of weight is no problem in the sea.

Some biologists believe that for aquatic animals, liberated from the destructive power of gravity by the dense medium in which they dwell, growth, though it may slacken almost to cessation, never halts entirely. So long as they escape—or are protected—from the primitive dangers of the sea, fish may therefore continue to grow by simple enlargement year after year. And so long as they continue to grow, according to this theory, they do not grow old. For them there is no old age, only the violent death that lurks everywhere in the world of waters. From this profound paradox of the sea there may sometime emerge new answers to the ultimate mysteries of life and death—for it was in the sea that life and death began.

From the sea too may some day arise a solution to the eternal problem of human hunger. The luxuriance of marine life is such that, in the opinion of some biologists, the earth's waters can never be utterly fished out. Every year man lifts more than 19 million tons of fish from the oceans without perceptibly affecting the population of any species. But even should a day arrive when the great fish dynasties begin to wane, the fructiferous sea holds other untouched riches.

The world's greatest potential source of food lies in the globe-encircling meadows of plankton with their incomputable multitudes of living creatures. The algae that sustain the planktonic communities, most prolific of all plants on earth, may someday surrender to man the nourishment they contain. The hosts of crustaceans, tiny fish and other animals that graze upon them represent an almost inexhaustible future harvest. And so in the end, man may turn again to his original home, seeking sustenance in what the Elizabethan playwright, Thomas Dekker, described as "that great fishpond, the sea."

## NEXT: THE CORAL REEF

**Part VIII of *The World We Live In* will describe the most prolific and luxuriant domain in all the world: the living coral reef. From a pictorial account of Australia's 1,260-mile-long Great Barrier Reef, the most spectacular coral structure on earth, the article goes on to detailed scenes in color showing the limestone forests built by multitudes of coral polyps, the vivid plantlike animals which adorn them and the brilliant procession of many-colored fishes that swim among their petrified branches.**

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That sensational statement is made with **no exceptions.** The Swift'ning now on your grocer's shelves is **more digestible than any other shortening.** And it's more nutritious, too.

Swift'ning cakes are high and handsome. Swift'ning pies are flakier. Foods fried in Swift'ning taste better than with other leading shortenings. All these wonderful foods are more digestible, **more nutritious.**

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# The most beautiful way to give fine whiskey



HEAD OF THE BOURBON FAMILY

# OLD GRAND-DAD in this CLASSIC DECANTER




OLD GRAND-DAD IS ALSO AVAILABLE IN THE STANDARD BOTTLE. THE PRICE IS THE SAME FOR EACH.

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**EARLY AD** created by Lambert shows fate of beautiful girl who neglected his product.

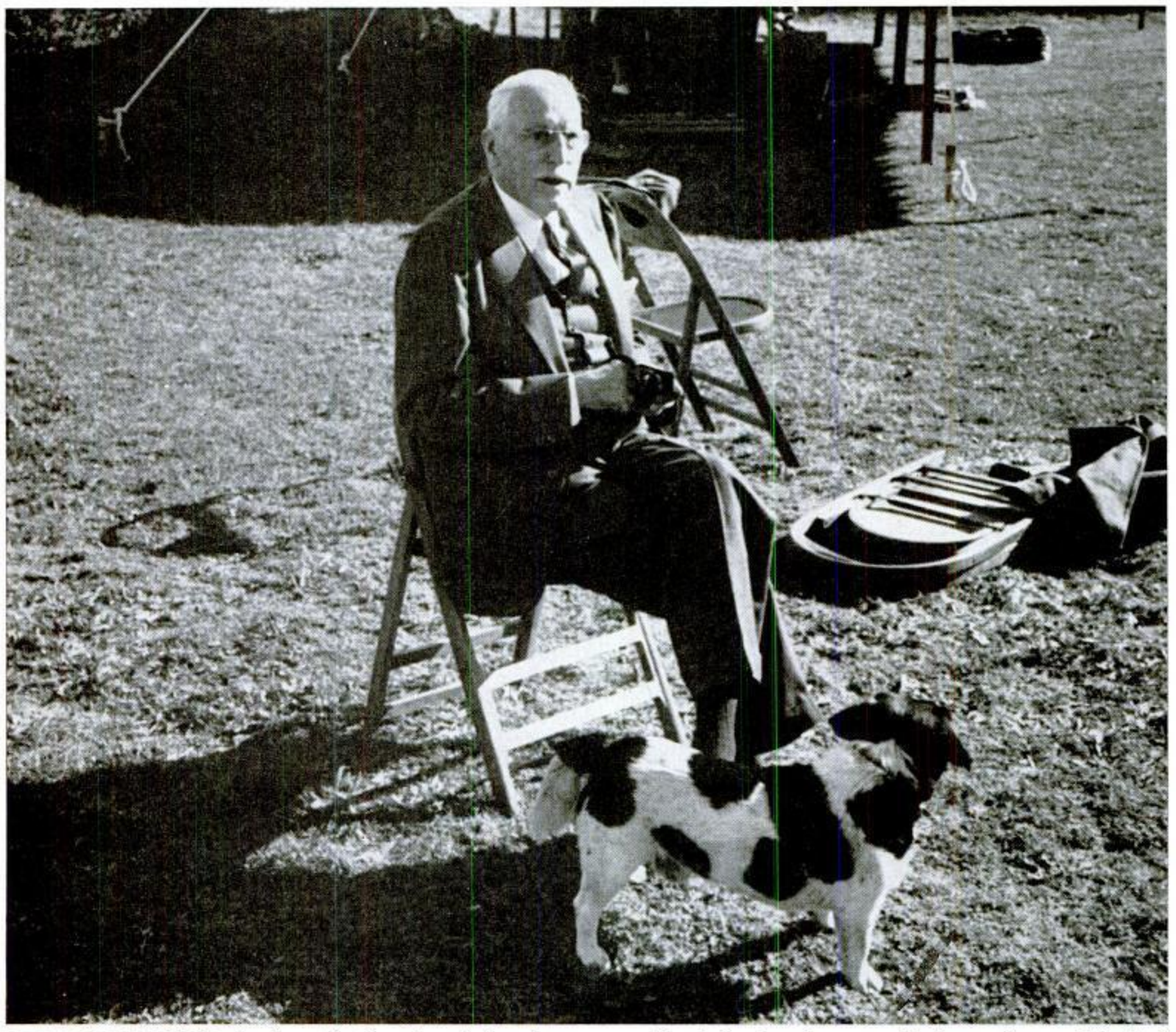


**PROJECT PARTY** was held in the project's landscaped court. The project is made up of three buildings, with a total of 10 apartments.

# PROJECT THAT PAYS FOR SELF

By alerting the nation to the perils of halitosis in the 1920s and explaining how Listerine mouthwash invented by his father would kill it, Gerard Lambert amassed a $25 million fortune. Over the years he has spent his money as pleased his fancy—helping finance Lindbergh's flight, racing America's-Cup boats, building a hospital, nurses' home and supporting art centers. He wrote a mystery, *Murder in Newport*, to prove he could do it. Along the way he reorganized the Gillette Safety Razor Co. and basically invented the present Gillette clam-shell razor.

Mr. Lambert accurately calls himself a "creator." One of his creations was the Franklin Terrace housing project at Princeton, N.J. Investing $30,000, he started out in 1938 to prove small-scale low-cost housing could pay for itself and creatively worked out a good deal for all hands: he would get tax-free bonds and money back with 4% interest in 28 years; the Borough of Princeton, in return for giving up property taxes during that time, would then get the project for nothing; and the householders would get attractive, four-room apartments for $25 a month. The idea has worked remarkably well, and on its 15th anniversary last month Lambert celebrated with a project party, where he said he would give the property to Princeton now, 13 years ahead of time.



**PROJECT FATHER** sits down for first time during the day at the end of the party. "I usually never sit down," he explained. Lambert is now retired, spends a good deal of time at two favorite pastimes—golf and crossword puzzles.






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Christmas Cards designed by famous artists and writers are becoming so popular these cards are displayed separately by many stores. Above, the Hallmark Hall of Fame collection featuring Christmas Cards designed by artists from all over the world. The separate collection idea makes for quick and easy selection of Christmas Cards.

# ART AND ARTISTS GAIN GREATER FAME AS CHRISTMAS CARDS BECOME NEW ART MEDIUM

Years ago a visit to an art gallery was perhaps the last item on a big city sightseeing trip. Art and artists received all their recognition from a relatively few people; and fewer still actually bought their works.

Now, almost every Christmas mail brings a reproduction of a painting by a famous artist; and during the Christmas holidays, practically every home in America has its own private art exhibit. These home art exhibits become an important part of holiday decorations as Christmas Cards are displayed on the mantel, the Christmas tree, and in many other ways.

This new appreciation of Christmas Cards as works of art can be explained by the simple fact that they are works of art. The trend had its start when Hallmark Cards first commissioned well-known artists to paint Christmas designs. These were artists whose original paintings—hanging in art galleries around the world—carried a price tag in the thousands, if they were for sale at all. Now the works of these same artists, beautifully and faithfully reproduced, can be had in boxes of Hallmark Cards priced as low as $1.00 for 12 cards. And every home, thanks to discriminating friends who select and send these Christmas Cards, can have its own individual art exhibit throughout the Christmas holidays.

**Can you identify the artist?** These Christmas Cards are by artists whose pictures appear on the next page.

1 

2 

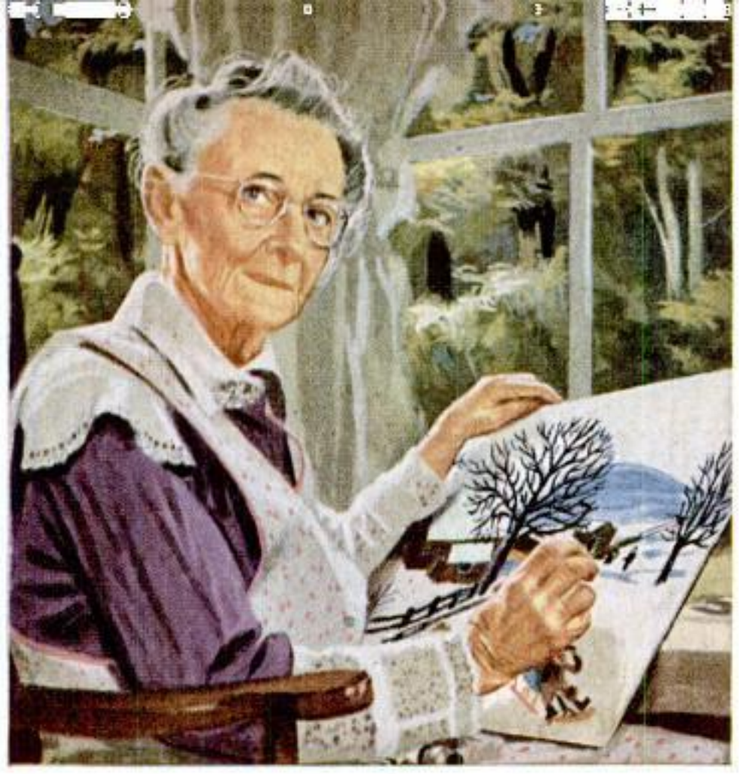
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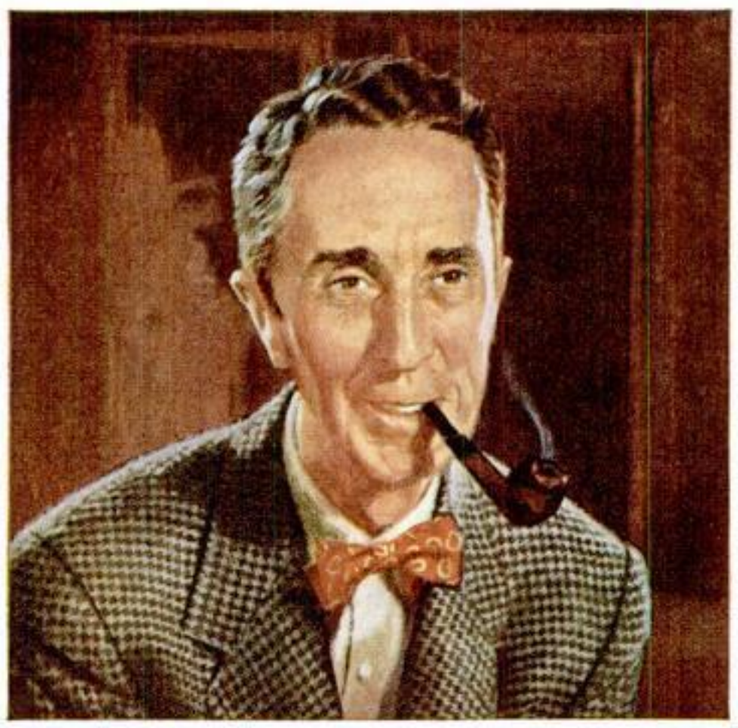
**GRANDMA MOSES** is an inspiration for all who feel life is over at any definite age. She was seventy-six before she owned her first paint brush. Now Grandma Moses' designs are collectors' items, and her original paintings hang in major art exhibits. Her Christmas scenes, painted exclusively for Hallmark Cards, have become favorites. This year Grandma Moses' tile paintings, like number 5 on the preceding page, will be seen on many "art-galleries-on-the-mantel."



**SAUL STEINBERG's** work has been widely exhibited in museums in both America and Europe and his droll line drawings are familiar to everyone. Born in Rumania, Mr. Steinberg earned a degree in architecture from the University of Milan before coming to America in 1941. He served in the U. S. Navy in World War II and is now an American citizen. You'll recognize number 4 as one of Saul Steinberg's distinctive designs for Hallmark Christmas Cards.



**DORIS LEE** first won recognition in 1935 when she was awarded the coveted Logan Gold Medal for her now famous painting, "Thanksgiving Dinner." In 1944 she was commissioned by *Life* to paint scenes from the musical comedy hit, "Oklahoma." Miss Lee recently won a Federal competition to create a mural for the Post Office Building in Washington, D. C. One of her Christmas designs, painted exclusively for Hallmark Cards, is No. 6 on the preceding page.



**NORMAN ROCKWELL** is undoubtedly America's favorite illustrator. Fame came early, for his first magazine cover won immediate recognition. And ever since, to millions of Americans, Norman Rockwell has been the kindly artist who holds a mirror to human nature by means of a paint brush. He catches all the excitement of the arrival of the Christmas tree in the Christmas Card reproduced on the preceding page as No. 3. His painting, "Four Freedoms" is world famous.



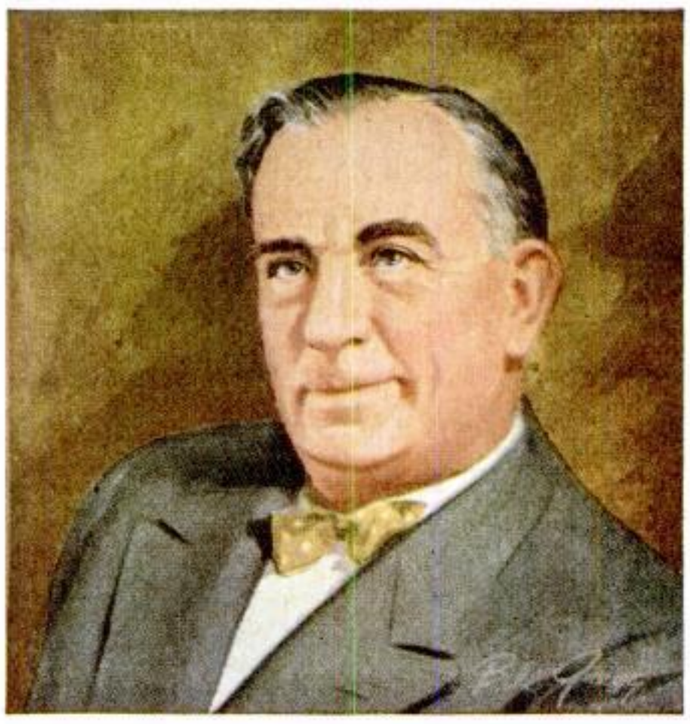
**HULDAH,** as she is known in art circles, is Mrs. E. F. Jeffe of New York City. Working mostly in oils, she is an accomplished painter of landscapes, still lifes and portraits. But she is perhaps best known for her paintings of graceful ballerinas, children, and beautiful girls set in a romantic background, like the young carolers in the snow, No. 1 on the preceding page. Although her famous "Huldah girl" is dark-haired, Huldah herself is a blonde, sun-tanned beauty from Texas.



**SIR WINSTON CHURCHILL** turned to painting as a hobby at the age of forty. In it he found relief from the many tensions and nerve-shattering pressures of statesmanship. His paintings, submitted under another name to insure judgment solely on merit, were accepted and exhibited along with leading contemporary artists. The scene reproduced on the preceding page as number 2 is a painting of Sir Winston and Lady Churchill's country home—"Chartwell."



**DR. NORMAN VINCENT PEALE,** one of America's most famous ministers, has written special Christmas thoughts for Hallmark Cards. These are messages to ponder over, that help recall the deep spiritual meaning of the day. Dr. Peale is the author of several books including the best-seller, "The Power of Positive Thinking." His newspaper column appears in newspapers all over the country.



**EDGAR A. GUEST,** often called "America's most popular poet," is another writer who contributes to the artistic expression of Christmas. Like his famous books of verse, his Christmas verses for Hallmark Cards are very popular. However, success has left him unaffected. He continues his simple retiring existence, living with his family in Michigan, and enjoying the ordinary things of life.

Hallmark Cards

Every Sunday, enjoy the HALLMARK HALL OF FAME.
On NBC television with **Sarah Churchill.**
On CBS radio with **Lionel Barrymore.**

*"When you care enough to send the very best"*

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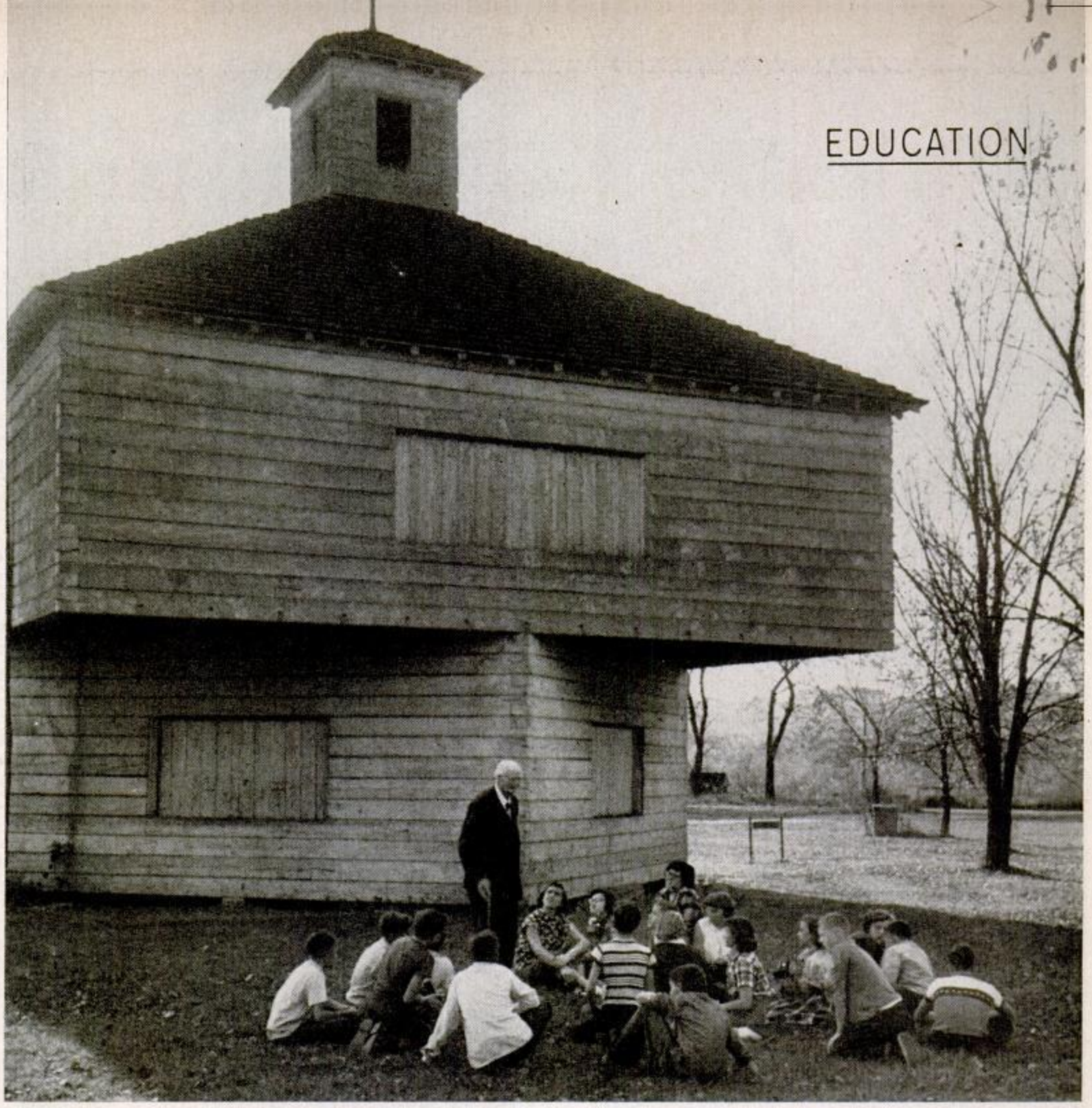



Headwarmers to keep you cozy, to flatter your face! Eagleknit has fashioned them of soft luxurious angora blended with nylon. And they cost *so* little! See them at your favorite store.
*Eagle Knitting Mills, Inc., Milwaukee, Wis.*

**EAGLEKNIT**
Knitted Headwear





AT RESTORED BLOCKHOUSE JUNIOR HISTORIANS HEAR PETER SCANLON RECALL PRAIRIE DU CHIEN OF HIS YOUTH

# EXPLORER COUNTRY

## The old days live for Junior Historians

The long route taken by the French explorers Marquette and Joliet led them, 280 years ago, to where the Wisconsin river meets the Mississippi. There the trading post of Prairie du Chien was established, and there at Fort Shelby, in the War of 1812, British troops fought Americans. There, one day last month, a group of Wisconsin schoolchildren went out to observe the relics of their countryside. Members of a national study group called Junior Historians, the pupils heard how double-tiered blockhouses (*above*) protected the old fort. Then they repaired to a parapet overlooking the rivers (*below*) to complete their day's lesson.




**CLEANING CEMETERY,** pupils rake around a sign commemorating priest who blessed the land.

WHERE MARQUETTE AND JOLIET ONCE STOOD, PUPILS WRITE IMPRESSIONS OF WHAT EXPLORERS SAW LONG AGO



**Give the lady what she wants most . . .**

# A *Presto* Christmas!



Give your lady PRESTO Products, and you will delight her. For each of these wonderful PRESTO appliances has been carefully designed for the beauty, efficiency, ease of operation and dependability that makes their use a pleasure! The beautiful new PRESTO *Automatic* COFFEE MAKER, the speedy PRESTO COOKER, the jumbo size PRESTO DEEP-FRYER, the fast, featherlight PRESTO VAPOR-STEAM IRON, are gifts that keep on giving. She knows you have her happiness at heart when you give her PRESTO Products.



***Presto*** **COOKER . . .** Meat loaf to marmalade, more than 300 delicious dishes, ALL better tasting, more nutritious the speedy PRESTO way. "PRESTO" has introduced millions to this safe, simple, FASTER modern cooking method.

***Presto*** ***Automatic*** **DEEP-FRYER** . She'll prepare and serve holiday delicacies with the skill of a French chef! PRESTO'S FASTER, PERFECTLY CONTROLLED HEATING and jumbo fry-basket make French fried foods a treat for the whole family . . . better, easier!

***Presto*** ***Automatic*** **VAPOR-STEAM IRON . . .** She'll love her new PRESTO, for everything irons better! She'll press without press-cloths, iron without sprinkling! Uses ordinary tap water, saves $20 a year on distilled water. Wonderful as a dry iron, too!

***Presto*** ***Automatic*** **COFFEE MAKER . . .** Introducing America's most beautiful coffee maker . . . perfect coffee twice as fast! Perks FASTER, signals when "ready", keeps coffee serving hot . . . AUTOMATICALLY. . . . *"The New Standard of Quality and Beauty!"*

**YOURS, with every PRESTO COOKER, DEEP-FRYER, VAPOR-STEAM IRON or COFFEE MAKER, a beautifully illustrated book, *"PRESTO Homemaking Fun".***

Guaranteed by Good Housekeeping

COMMENDED PARENTS' MAGAZINE

UL

NATIONAL *Presto* REG. U.S. PAT. OFF. PRODUCTS

**NATIONAL PRESTO INDUSTRIES, INC.**
**Eau Claire, Wisconsin**

**OVER 20 MILLION SATISFIED PRESTO USERS!**

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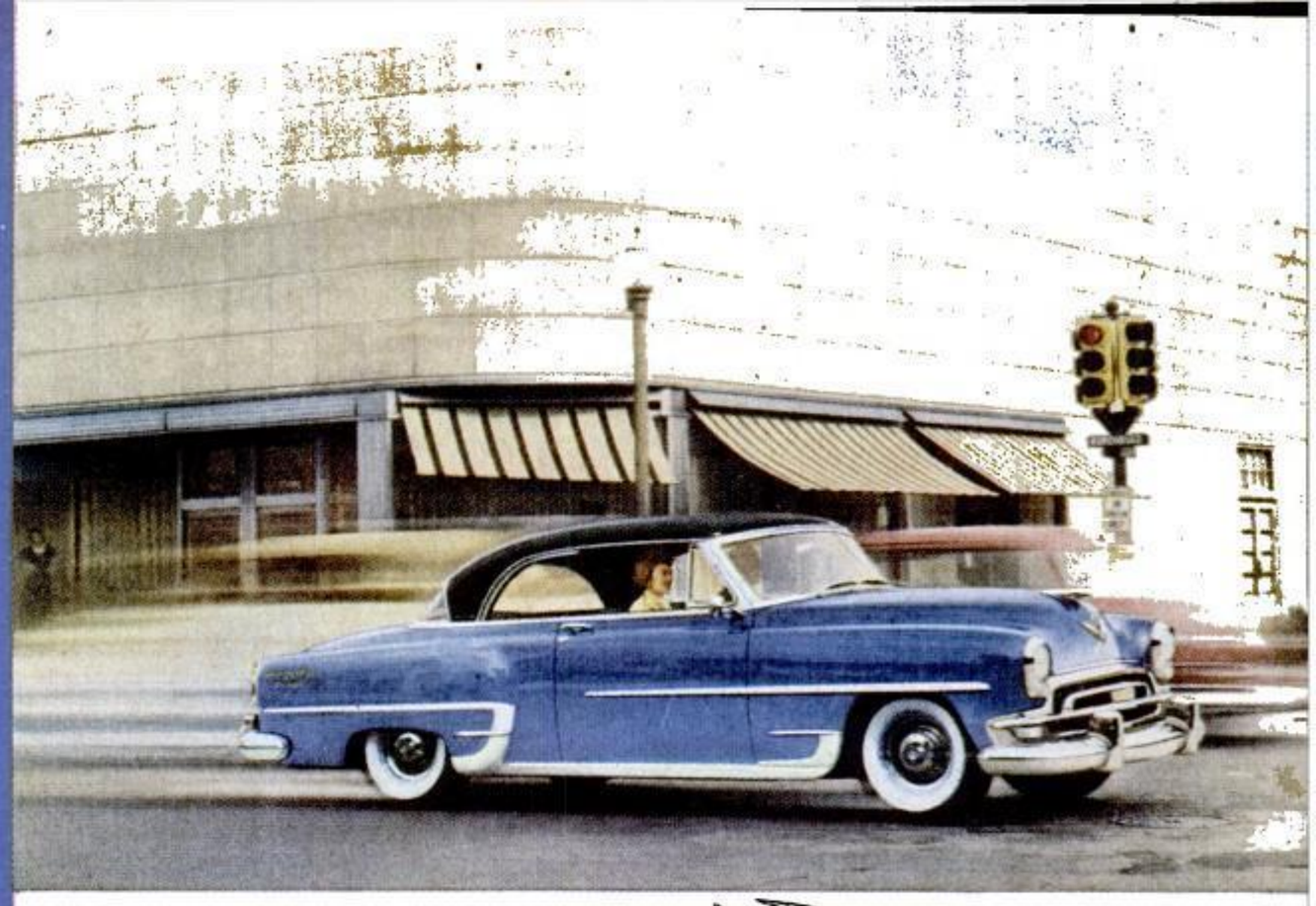
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*NOW*

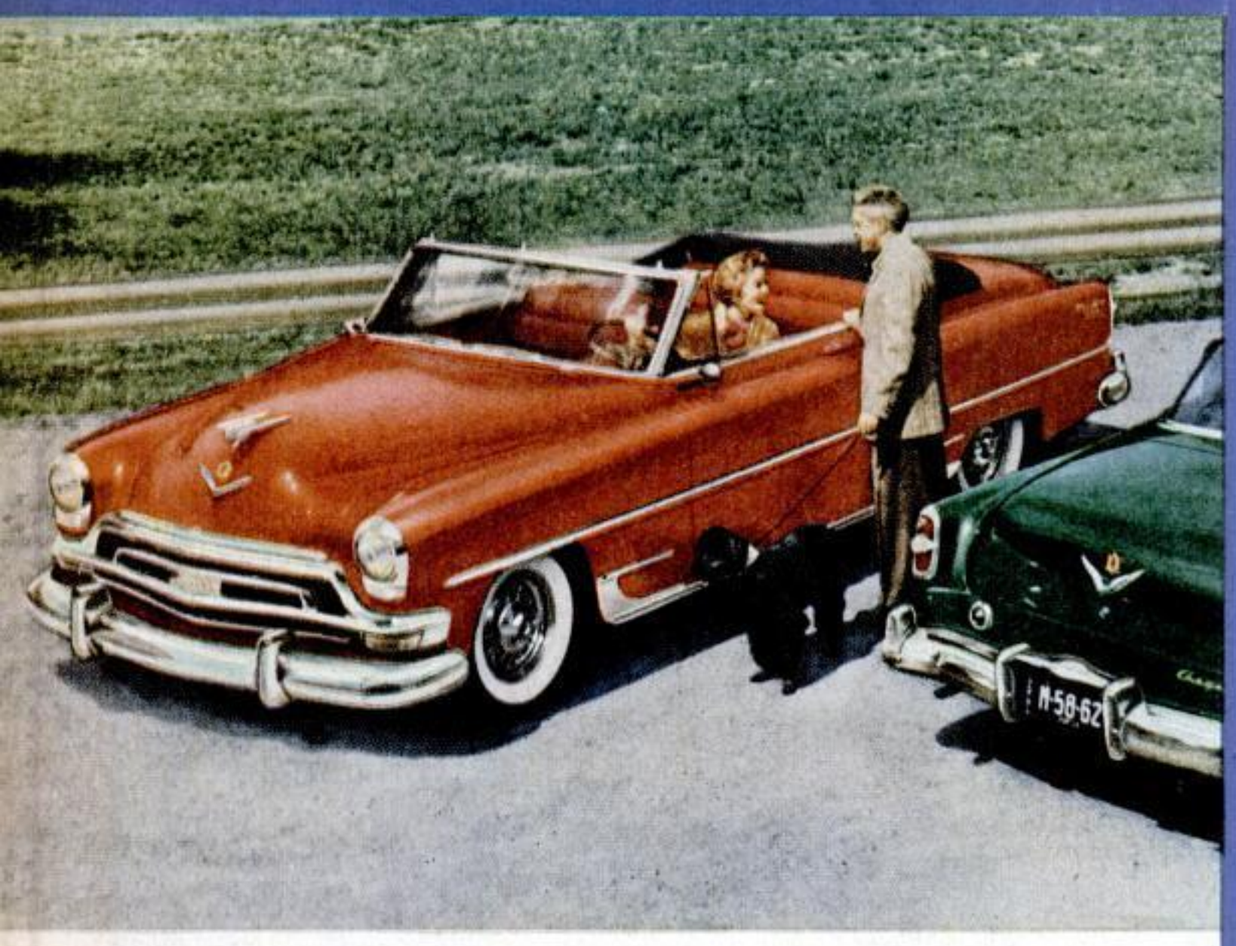
*ON*

*DISPLAY* **'54**

# CHRYSLER



***NEW CHRYSLER POWERFLITE* TRANSMISSION!**
...most advanced of all fully-automatic drives—by far the simplest, smoothest, quickest way to drive without shifting and without a clutch!



***NEW BEAUTY OUTSIDE!*** . . . longer, leaner, sleeker styling from brilliant new grille to massive rear deck. Visibility is the greatest ever. Breathtaking new exterior colors and two-tone combinations!



***NEW BEAUTY INSIDE!*** . . . everything you see or touch in these beautiful cars is a new triumph of craftsmanship. Spaciously planned interiors, richly appointed. New Chrysler Air-Conditioning!

## THE POWER OF

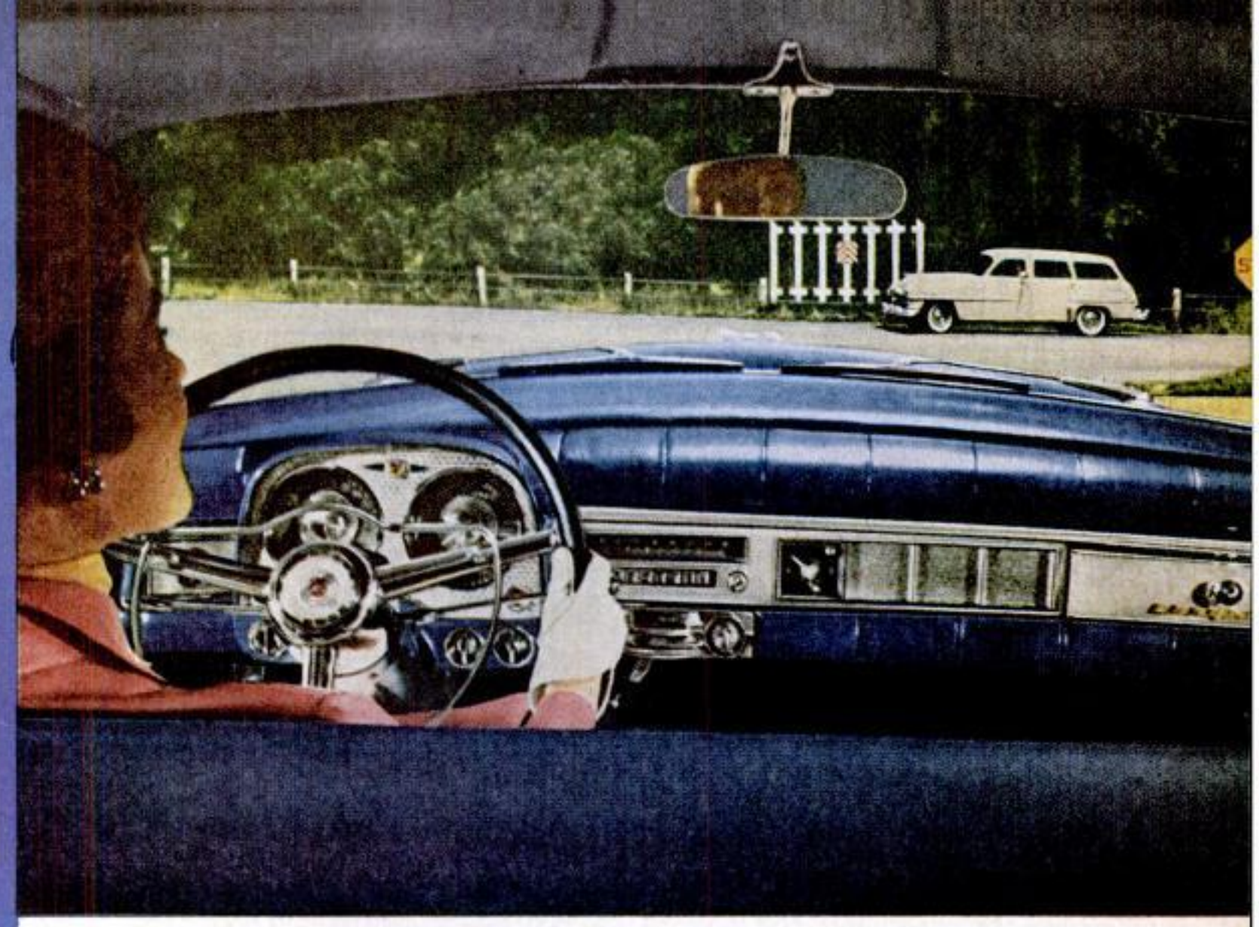


***WE INVITE YOU*** to discover, right now, more wonderful new driving advances than any cars have ever offered you before! Now, for the first time, you can know the real look and feel of leadership . . . in cars created in a dazzling sweep of steel and glass . . . styled to lift your heart like a bar of

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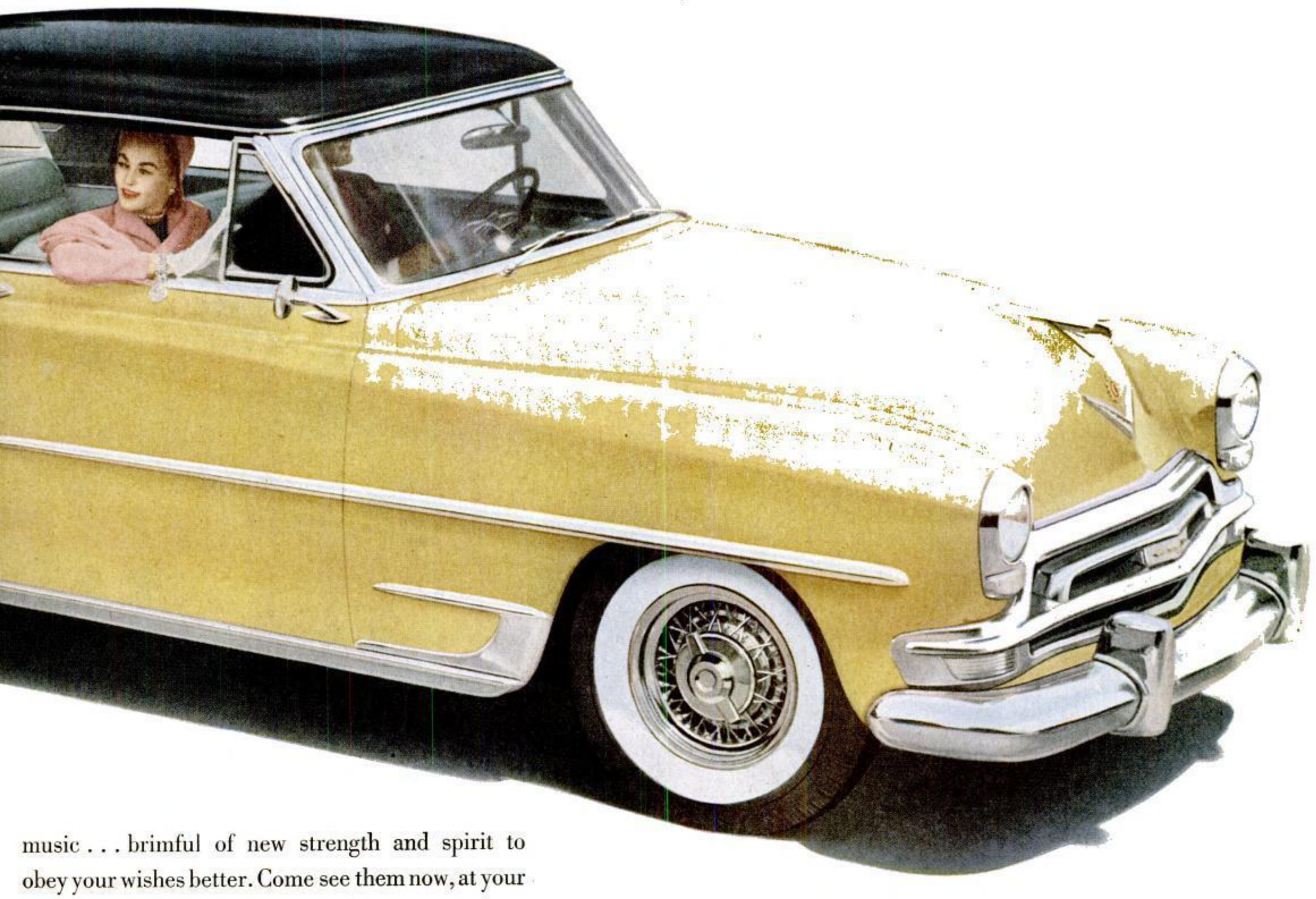


**NEW 235 HP FIREPOWER V-8 ENGINE!** . . . far safer instant power for instant response—with a feel of command you've never had in any car before. Maximum performance even with non-premium gas!



**NEW DRIVER CONTROL!** . . . yours with Chrysler's new power and drive—now combined with Full-time Power Steering and Power Brakes for sure, coordinated and effortless driving!

# **LEADERSHIP** *IS YOURS IN A CHRYSLER*



music . . . brimful of new strength and spirit to obey your wishes better. Come see them now, at your Chrysler dealer's. In their flashing new colors, smart interiors and varied body styles, you'll *love* them all: the new Chrysler Imperial, New Yorker Deluxe, New Yorker, and Windsor Deluxe!

AMERICA'S FIRST FAMILY OF FINE CARS

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# AAA Speed Kings Win With Mobiloil

**THE SUPER DETERGENT OIL**

★

**THE OIL THAT DRASTICALLY REDUCES ENGINE WEAR**

★

**THE OIL THAT SAVES OIL**

★

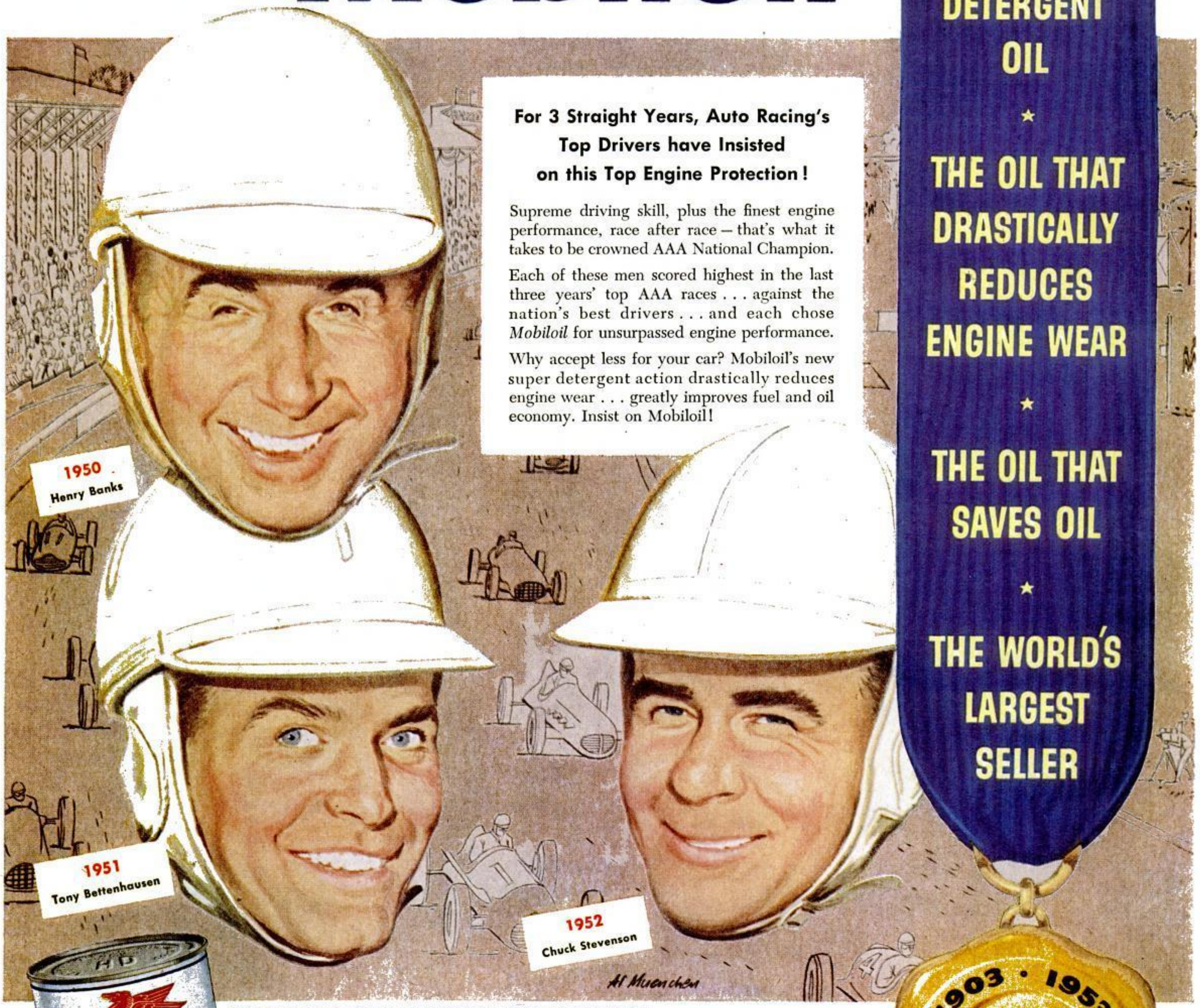
**THE WORLD'S LARGEST SELLER**

**For 3 Straight Years, Auto Racing's Top Drivers have Insisted on this Top Engine Protection!**

Supreme driving skill, plus the finest engine performance, race after race — that's what it takes to be crowned AAA National Champion.

Each of these men scored highest in the last three years' top AAA races . . . against the nation's best drivers . . . and each chose *Mobiloil* for unsurpassed engine performance.

Why accept less for your car? Mobiloil's new super detergent action drastically reduces engine wear . . . greatly improves fuel and oil economy. Insist on Mobiloil!




Mobiloil—Under API Classification, recommended "For Services ML, MM, MS, DG."

# Mobiloil

**Ask for it at Service Stations, Car Dealers and Garages!**




1903 · 1953 50TH ANNIVERSARY

SOCONY-VACUUM OIL COMPANY, INC., and Affiliates: MAGNOLIA PETROLEUM CO., GENERAL PETROLEUM CORP.

**FOR 50 YEARS — THE GREATEST NAME IN MOTOR OIL**

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AS BIANCA, SHREWISH KATE'S KID SISTER, ANN MILLER WHIRLS BOISTEROUSLY THROUGH THE "TOM, DICK AND HARRY" NUMBER OF MOVIE "KISS ME KATE"

# The Return of the Shrew

## THE MOVIES MAKE A GREAT DANCING SHOW OUT OF 'KISS ME KATE'

Taking a 359-year-old script by Shakespeare and Cole Porter's five-year-old smash hit musical, M-G-M has turned out a splashy color movie, *Kiss Me Kate*. With a plot still based on *The Taming of the Shrew* it has kept the wonderful Porter tunes and added a quartet of violently successful dance numbers. And just in case this might not take it out of the class of ordinary filmusicals, *Kate* is also the first prestige film to be made in 3-D as well as flat.

CONTINUED ON NEXT PAGE 

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*for every cigarette smoker on your Christmas list*

The gift that makes smoking safer, more pleasurable! It is really *four* gifts in one, for it contains:

- Our newest short Denicotea filter cigarette holder with gold-tone ejector.
- A holder for the holder—a matching gold-tone metal case to protect holder in pocket or purse.
- A supply of extra Denicotea crystal filters.
- All in a clear plastic package that makes a smart cigarette case, or box for table or desk.

*Dunhill Gift Set, $3.50 . . . at stores everywhere.*

dunhill

DE-NICOTEA CRYSTAL FILTER CIGARETTE HOLDER

FOR SMOKERS WHO THINK








**IN A HIGH PADUAN LEAP,** above a pirouetting Bianca, one of her three agile suitors punctuates first of the film's two frenzied production numbers.



**IN A LOW PADUAN DROOP** another suitor poises in finale. Unlike most movie finales which pack stage, *Kate* gets effect by using only a few dancers.

CONTINUED ON PAGE 124

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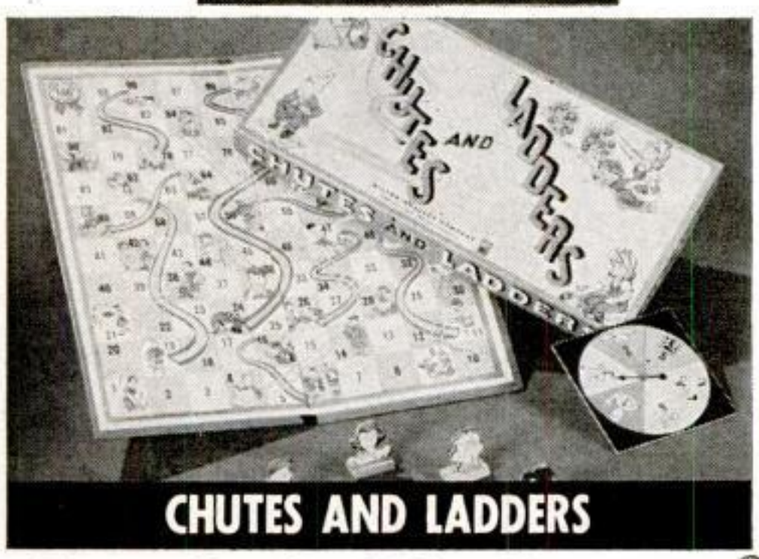
# FUN FOR EVERY AGE

*The right game for the right age*
*from the Milton Bradley workshop*

Shop here for the children on your Christmas list. Each Milton Bradley game is scientifically designed to appeal to a particular age group. And each one is so interesting, so much fun, it brings happiness and entertainment not only on Christmas, but for months to come.

If you don't find these and other famous Milton Bradley toys and games priced from $1.00 to $3.00 at your nearby store, write direct to the Milton Bradley Co., Dept. L-4, Springfield, Mass.

## AGE 3 to 9




**CHUTES AND LADDERS**

Even tots who can't read find a whirl of excitement in the ups and downs of this simple, easy-to-follow game which teaches rewards for good deeds.




**UNCLE WIGGILY**

Year after year the suspense of this "Happy Rabbit" game keeps it a best seller. Each card turned up brings new thrills for Uncle Wiggily and his friends.

**CANDY LAND**



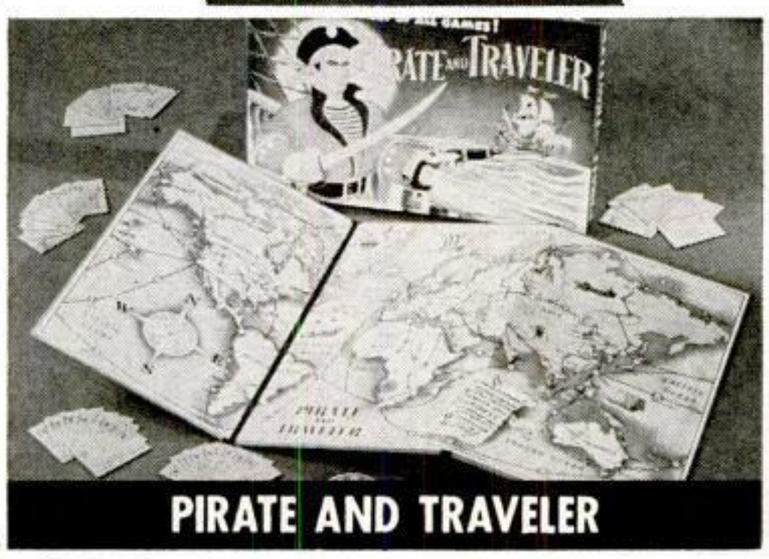
Youngsters delight in following this rainbow-colored path through the Peppermint Stick Forest, Gum Drop Mountains, etc. No reading required.

**HOWDY DOODY GAME**

Every Howdy Doody fan delights in the trip through Howdy's own studio. Players hobnob with all the cast, see an old-time movie, and even act as cameraman.

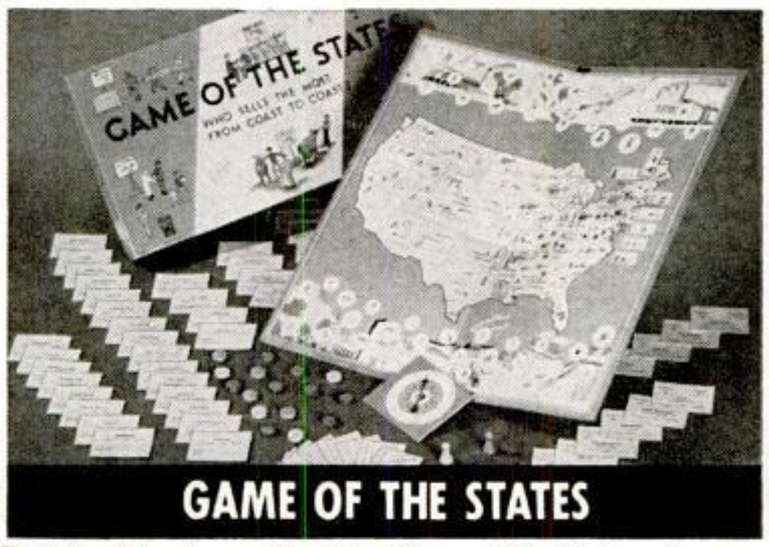



## AGE 6 to 12




**PIRATE AND TRAVELER**

Bold adventure on the high seas and along the highways of the world make this colorful game a thrill-packed favorite with children everywhere.




**GAME OF THE STATES**

Educational as well as fun, Game of the States gives the excitement of making sales and delivering goods and produce from border to border, coast to coast.

**SPOTS**

You'll keep the whole family in stitches when you pit one against the other in this humorous memory game. It's rollicking fun for two or more players.




**SENIOR COMBINATION BOARD**

Here are twenty-six separate games all rolled into one exciting package. Children never tire of this marvelous assortment of fascinating games.




## FAMILY GAMES




**GO-TO-THE-HEAD-OF-THE-CLASS**

Now, a new series of this popular game for the whole family. Wonderful entertainment for home parties. Fun and excitement for groups of two to nine players.




**EASY MONEY**

The risks and thrills of high finance hold both adults and teen-agers spellbound as they make or lose fortunes in a fast-moving game of business.

**PARK AND SHOP**




Youngsters and adults, too, enjoy the hustle and bustle of a trip to the stores. A new and different game, Park and Shop is full of fun and surprises for groups of two to six.

**WORD "WISE"**

There is always keen memory competition as players build words with letters and puns. A sure-fire center of attraction for all home parties.



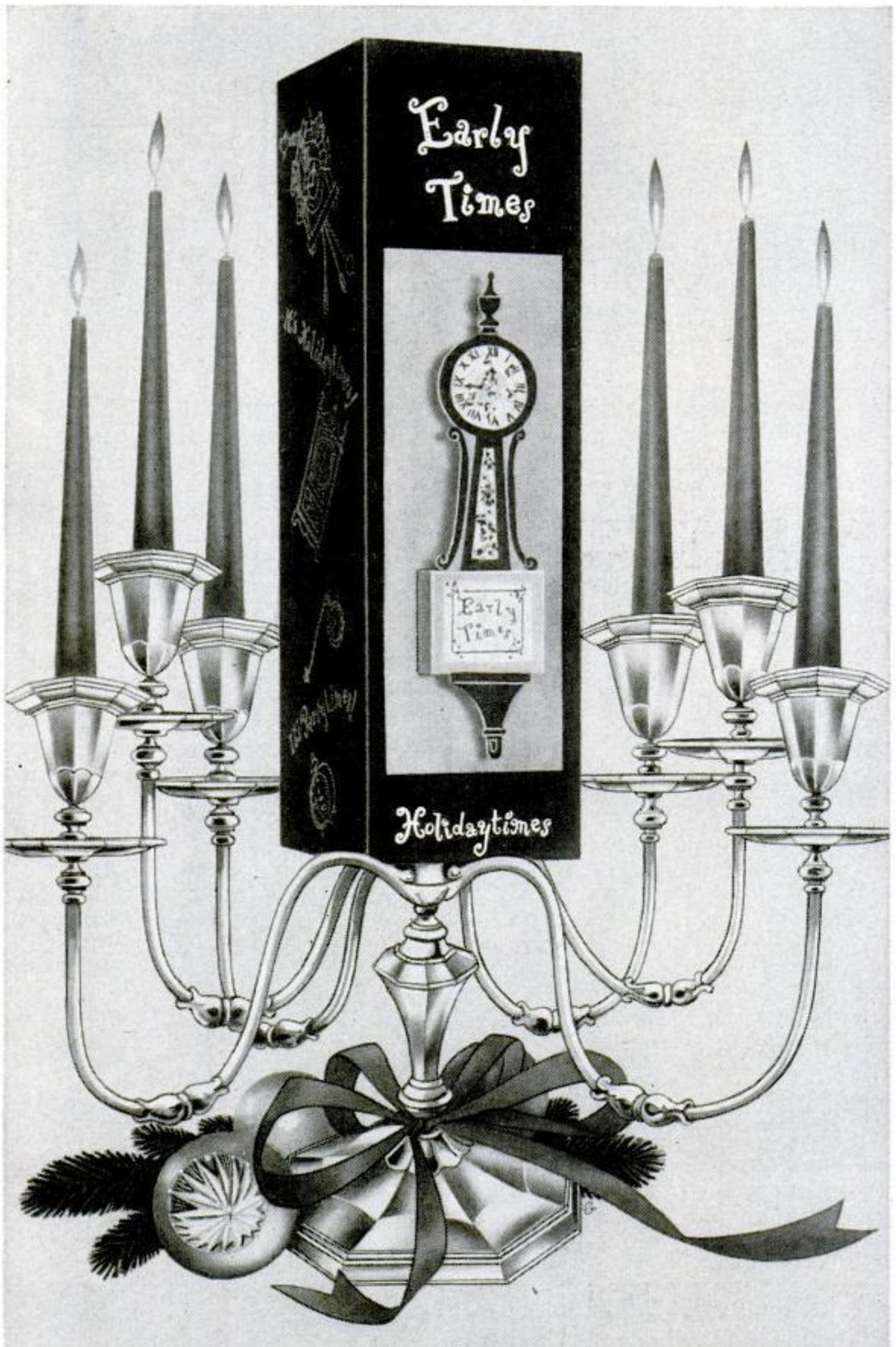

93 YEARS OF FUN AT ITS BEST MB MILTON BRADLEY

**MILTON BRADLEY COMPANY, SPRINGFIELD 2, MASSACHUSETTS**

**Makers of famous CRAYRITE Crayons**



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# SHINING SUGGESTION FOR A TIMELY GIFT . . .

Simply beautiful. Beautifully simple. And it's "pre-wrapped" for holiday giving. No wonder this dazzling new Early Times 3-D "Decorama" gift box steals the holiday show whenever you give America's leading premium straight whisky.*




# EARLY TIMES

*OUTSELLS ALL OTHER STRAIGHT WHISKIES AT OR ABOVE ITS PRICE

KENTUCKY STRAIGHT BOURBON WHISKY

EARLY TIMES DISTILLERY COMPANY, LOUISVILLE 1, KY. • 86 PROOF








**FOR BENEFIT OF 3-D,** Dancer Tommy Rall swings off a rooftop right at the audience. To date the 3-D version is outdrawing 2-D at the box office.



**ENERGETIC STAR DANCER** Ann Miller is chief reason for the success of *Kiss Me Kate.* She also sings five tunes including *It's Too Darn Hot* (*above*).

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HOOVER

*Give her a Hoover and you give her the best*

# Christmas morning (and forever after) she'll be happier with a Hoover

**P. S. to husbands:**

She *cares* about her home, you know, so if you really care about her . . . wouldn't it be a good idea to consider a Hoover for Christmas? Prices start at $66.95. Model 29 (shown here) $95.95. Low down payment; easy terms. See your Hoover dealer now.

**THE HOOVER COMPANY**
North Canton, Ohio

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# Do your Christmas Shopping



**ARGUS C3** $69.50
COMPLETE with case and flash

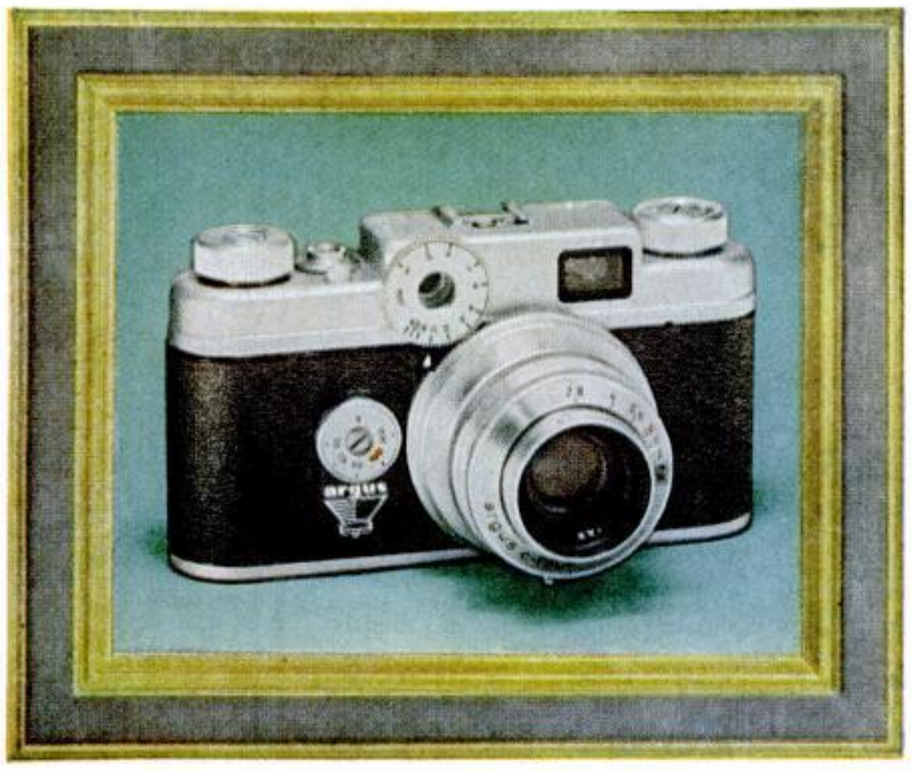
More people buy the Argus C3 than any other 35mm camera in the world. Here's what they get: An interchangeable* Cintar f:3.5 color-corrected lens; a precision, gear-controlled shutter with a complete range of speeds from 1/10 to 1/300 second; a lens-coupled rangefinder; built-in flash synchronizer (you simply plug the flash gun right into the camera—no dangling wires, nothing to adjust)! The Argus C3 is a wonderful camera for black-and-white, action, flash, and gorgeous color slides.

***ARGUS C3 TELEPHOTO LENS:**
This precision-made accessory lens cuts distance in half to let you take candid pictures from far away. It's perfect, too, for true perspective portraits, wild-life close-ups. This four-element, 100mm f:4.5 lens automatically couples to the rangefinder—has smooth, helical focusing, built-in sunshade and filter holder.

Argus-Sandmar Telephoto Lens: **$59.95** Carrying case: $4.95

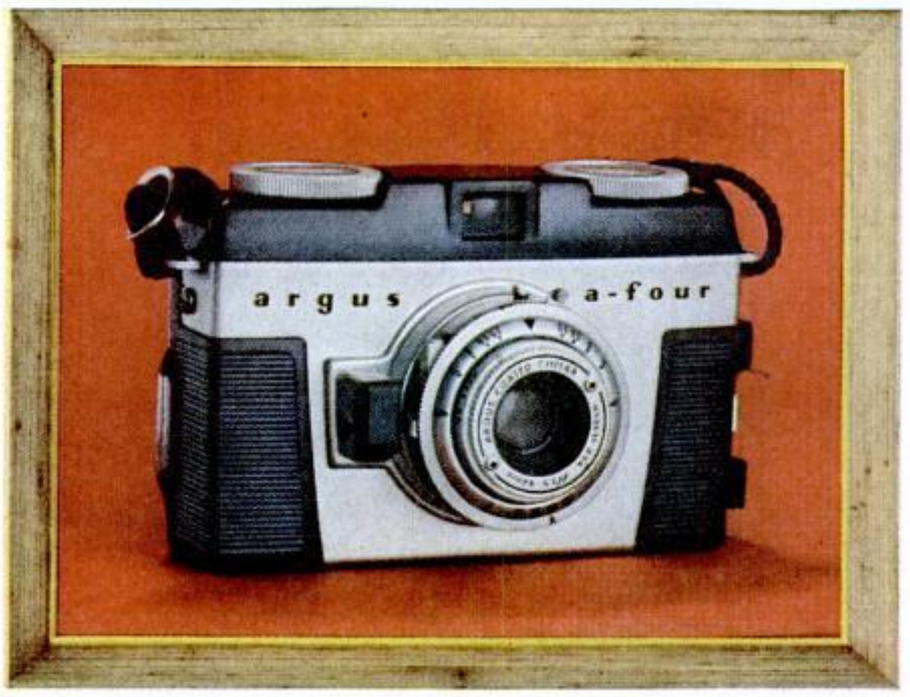
***ARGUS C3 WIDE ANGLE LENS:**
This fine accessory lens gives you a much broader and taller field of view—you get 87% more picture area, making it easy to photograph difficult interior and outdoor shots. Couples to the C3 rangefinder for automatic focus; has click stop lens settings, sunshade and filter holder. Price includes handy, clip-on optical viewfinder.

Argus-Sandmar Wide Angle Lens: **$59.95** Carrying case: $4.95



***ARGUS C-FOUR:** America's most distinguished 35mm camera. It takes beautiful color slides, sparkling black-and-whites. A truly great lens—Argus Cintar f:2.8—gives sharp detail. A lens-coupled rangefinder-viewfinder lets you focus and compose simultaneously. A superaccurate shutter—1/10 to 1/300 second—is a perfect complement to the critically sharp lens. Has built-in flash synchronizer; double exposure preventer.

ARGUS C-Four: **$89.50** Flash: $8.95 Case: $7.50




***NEW ARGUS A-FOUR:** Most exciting new 35mm camera in years. You get a color-corrected f:3.5 Cintar lens, fastest lens of any American camera in its price class; precision shutter with speeds from 1/25 to 1/200 second; universal settings; picture-window viewfinder; depth of field scale; double exposure preventer; built-in synchronization—flash gun plugs right into the camera. It's the easy way to take gorgeous color slides and crisp black-and-whites.

ARGUS A-Four: **$39.50** Flash: $3.80 Case: $5.75

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# in the Argus "Gift Gallery"

**There's magic** in this exciting holiday showing! Magic that can record—forever—the dazzling wonderland of winter . . . the fresh enchantment of spring . . . summer's carefree pleasures . . . autumn's blazing colors.

Magic to keep children, children always. Magic to keep captive for a lifetime a treasured moment or event that otherwise would pass away with time.

So, this Christmas, give the gift of magic. Let your eyes stroll leisurely through the Argus "Gift Gallery". . . make your selections . . . then see your nearby Argus dealer.

But before you leave this page, all of us at Argus would like to wish you and yours . . . *A Very Merry Christmas and a Happy New Year.*




***ARGUS 75 GIFT PACKAGE:*** It's a complete picture-taking outfit—there's nothing else to buy. This attractive gift package includes the easy-to-use Argus 75, leather carrying case, plug-in flash gun, batteries, flash bulbs, and film—everything you need for wonderful pictures—indoors or out.

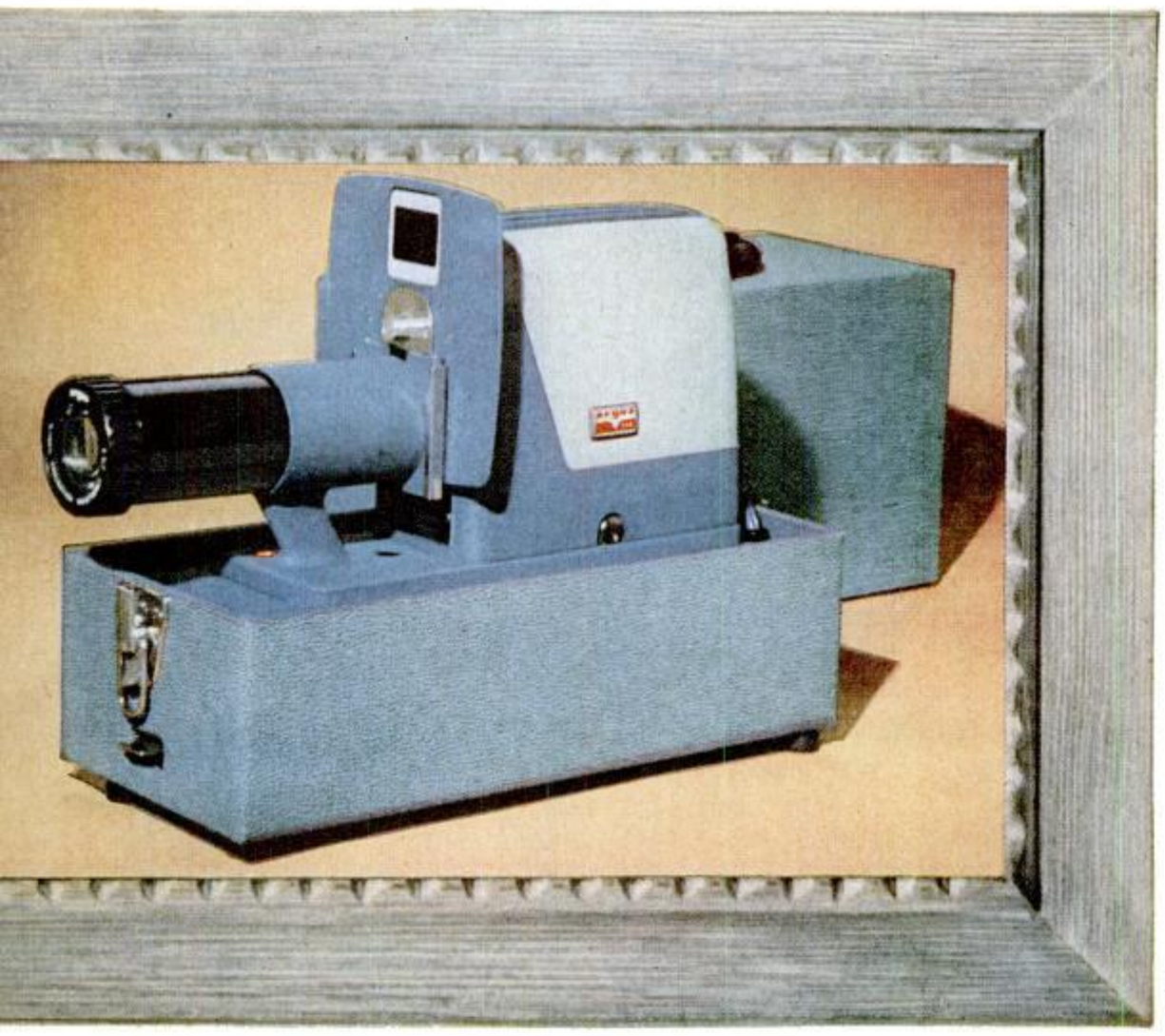
Only **$23.50** Complete




***ARGUS 75:*** It's the world's easiest camera to use. Brilliant, extra-large viewfinder lets you see the picture exactly as you'll take it. Film wind is coupled to shutter to prevent double exposures. Exclusive Argus "Red-i-dot" tells you when camera is ready for next picture. Lumar lens, always in focus, and precision shutter give you clear, bright pictures, in color or black-and-white. You get 12 BIG pictures with each roll of 620 film. Flash gun, with automatic bulb ejector, plugs right into the camera.

**$15.95**

FLASH: $3.80 CASE: $2.50



***NEW ARGUS 300 WATT PROJECTOR:*** No other 300 Watt projector in the world gives you so much for the money. You get a wide angle 4-inch, f:3.5 lens (projects a 32" x 48" picture at 12 feet); a powerful yet silent blower and special heat absorbing lens to keep your slides cool; an exclusive "right-side-up" rotary slide carrier to prevent upside-down pictures. Handsomely-styled, it's the perfect companion for any 35mm camera.

COMPLETE with carrying case **$49.95**

# argus

*--the name that means precision quality!*

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The HEPPLEWHITE . . . 21 inch Panoramic Vision picture, for the widest viewing angle in television. There is enduring charm in the authentic period design cabinet of selected hand-rubbed mahogany veneers, with full length doors.



The IMPERIAL . . . television-radio-phonograph combination in a Georgian cabinet of hand-rubbed mahogany veneers . . . 24 inch picture . . . AM-FM radio . . . 3-speed Garrard record changer . . . "Custom 400" high fidelity audio system.





*with exclusive Panoramic Vision . . .*

## it's really Christmas family style

*Truly, a Stromberg-Carlson is designed with your family in mind. With the widest-viewing angle in television—thanks to exclusive Panoramic Vision—it gives everyone a front row seat, anywhere in the room. Superb performance on UHF and VHF and the beauty of decorator designed cabinetry, too, will constantly remind you how wise you were to choose a Stromberg-Carlson. For a memorable family gift . . .*

## "there is nothing finer than a STROMBERG-CARLSON®"



The CLASSIC . . . 21 inch Panoramic Vision picture. Each cabinet is individually hand painted with an authentic Chinese legend design on a background of ivory, red or ebony lacquer and bears the artist's signature.



The EMPIRE . . . 24 inch Panoramic Vision picture in a distinctive design, in cabinet of comb-grain, limed oak or hand-rubbed mahogany veneers, with space saving disappearing tambour doors and recessed speaker grill.

*Stromberg-Carlson television is priced from $249.95 including excise tax and warranty. (Slightly higher in south and west). See classified pages of telephone book for authorized dealers.*

STROMBERG-CARLSON COMPANY, ROCHESTER 3, N. Y. • TELEVISION • CUSTOM 400 HIGH-FIDELITY RADIO-PHONOGRAPHS • SOUND and INTER-COMMUNICATIONS SYSTEMS • ELECTRONIC CARILLONS • TELEPHONES and SWITCHBOARDS

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**FIRST MESSAGE,** dictated by Admiral Robert Carney, is sent in code by RCA's David Sarnoff.

# NAVY RADIO CIRCLES GLOBE

## World's strongest transmitter reaches ships anywhere at sea

When Marconi tapped out the world's first wireless message 58 years ago, the weakly transmitted signal carried only to the other side of his garden. Last week, dedicating the most powerful radio transmitter in the world, the U.S. Navy broadcast a test message which circled the globe. Within minutes acknowledging answers flashed back from a battleship off Japan, a carrier in the western Pacific and a submarine far off in the Atlantic. The test proved that now, for the first time in history, the Navy can communicate instantaneously with all its ships anywhere on earth.

The giant transmitter, located 55 miles from Seattle in the Jim Creek Valley of Washington's Cascade mountains, is a $14 million wonder which took six years to complete and changed the face of the surrounding wilderness. There, in an area still inhabited by cougar and bear, engineers cleared 2,000 acres of heavily wooded slopes, built 12 miles of access roads and erected permanent housing for 48 Navy men and their families.

The massive electronic equipment, designed and built by RCA, uses as much power as a city of 25,000 population. Its output—1.2 million watts—makes it 22 times more powerful than any commercial radio station in the U.S.

**COPPER-WALLED ROOM,** one of two housings for antenna load coils, is photographed before its completion as sailors take survey measurements. Walls isolate magnetic field from rest of building.

CONTINUED ON NEXT PAGE



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# Smooth Sailing Ahead!




"THERE'S ALWAYS SMOOTH SAILING WHEN WE'RE ABOARD, WHITEY!"



"AYE, BLACKIE. FOLKS WHO PUT FLAVOR FIRST CHOOSE BLACK & WHITE SCOTCH WHISKY. ITS QUALITY AND CHARACTER NEVER CHANGE!"



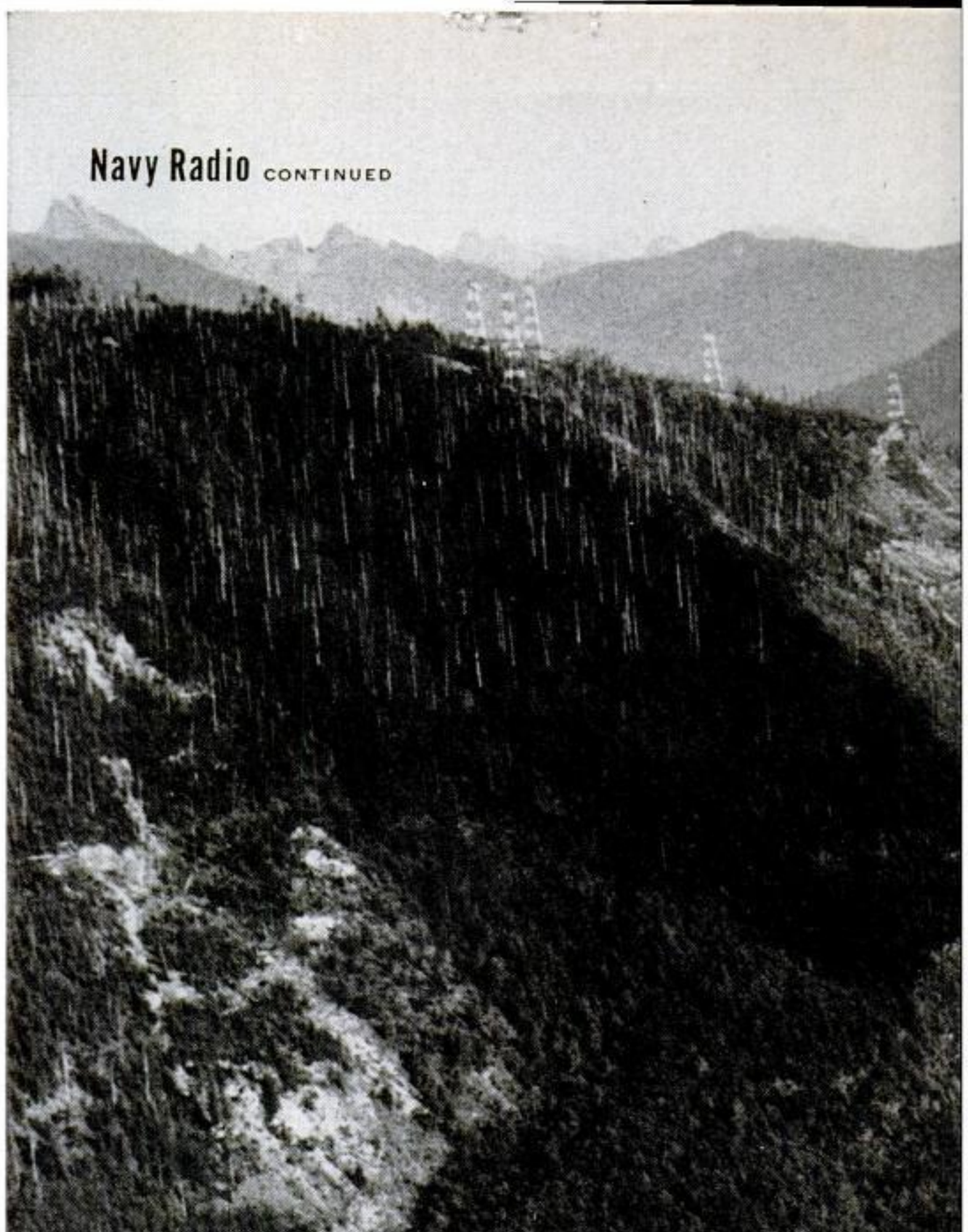

## "BLACK & WHITE"

*The Scotch with Character*

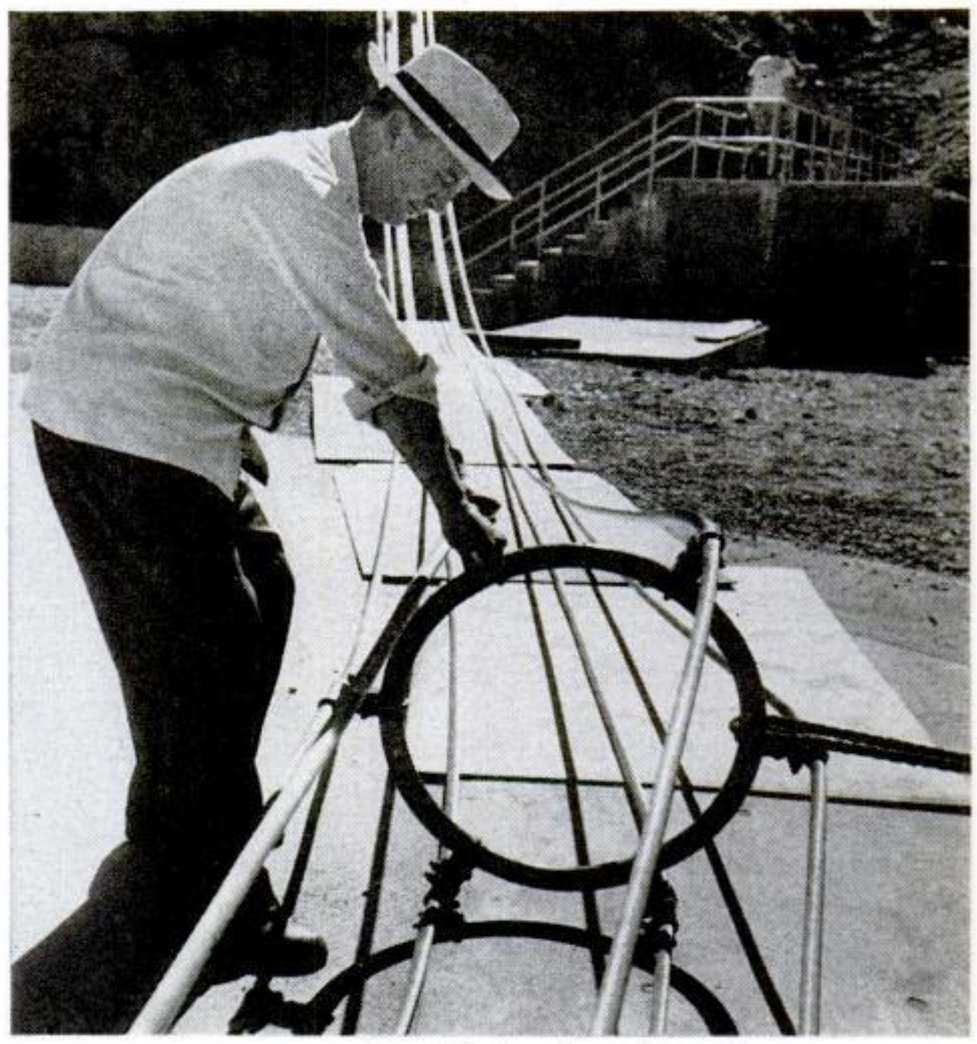
BLENDED SCOTCH WHISKY 86.8 PROOF

THE FLEISCHMANN DISTILLING CORPORATION, N. Y. • SOLE DISTRIBUTORS



FROM TALL TOWERS TOPPING TWIN RIDGES, CABLES STRETCH MORE

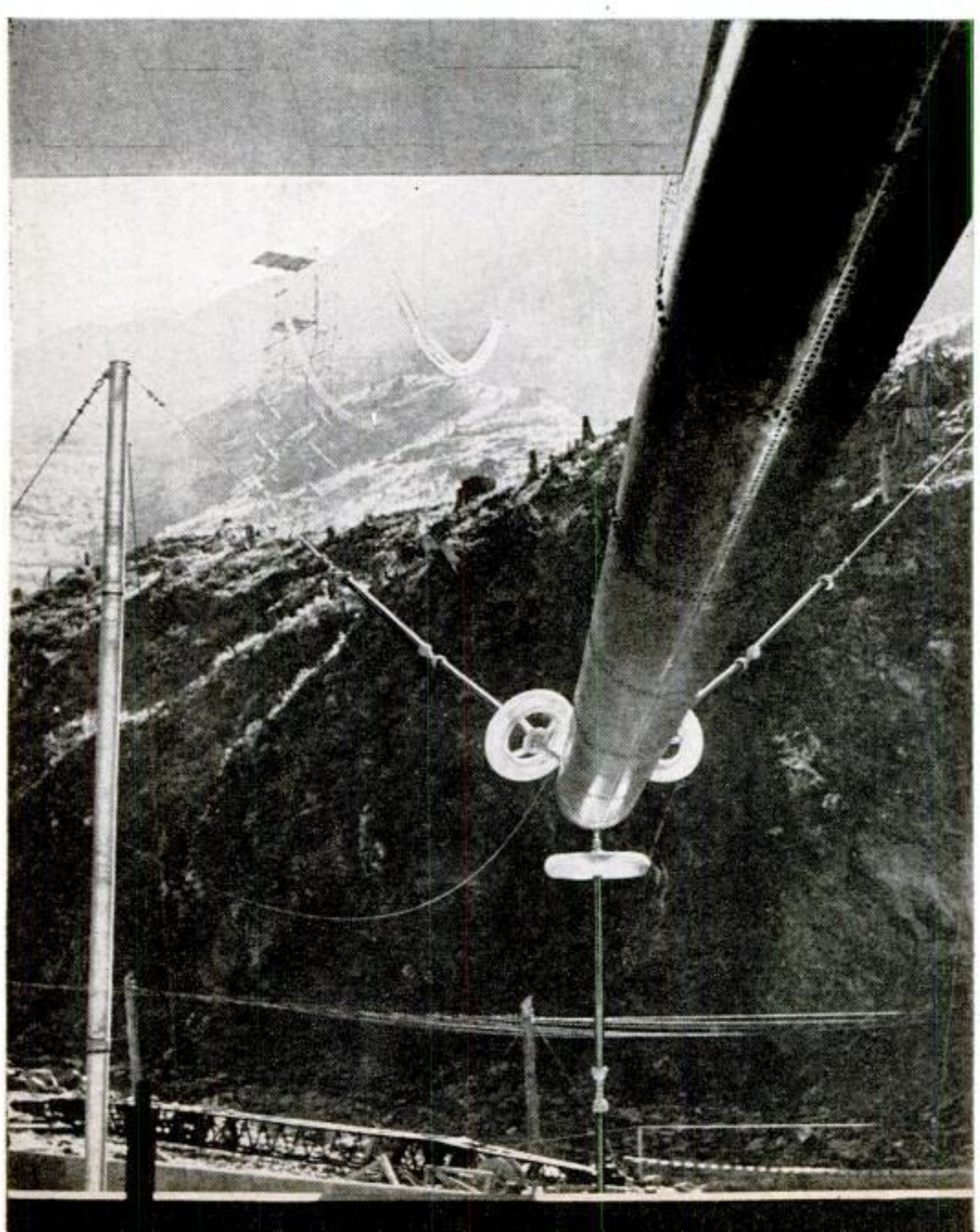


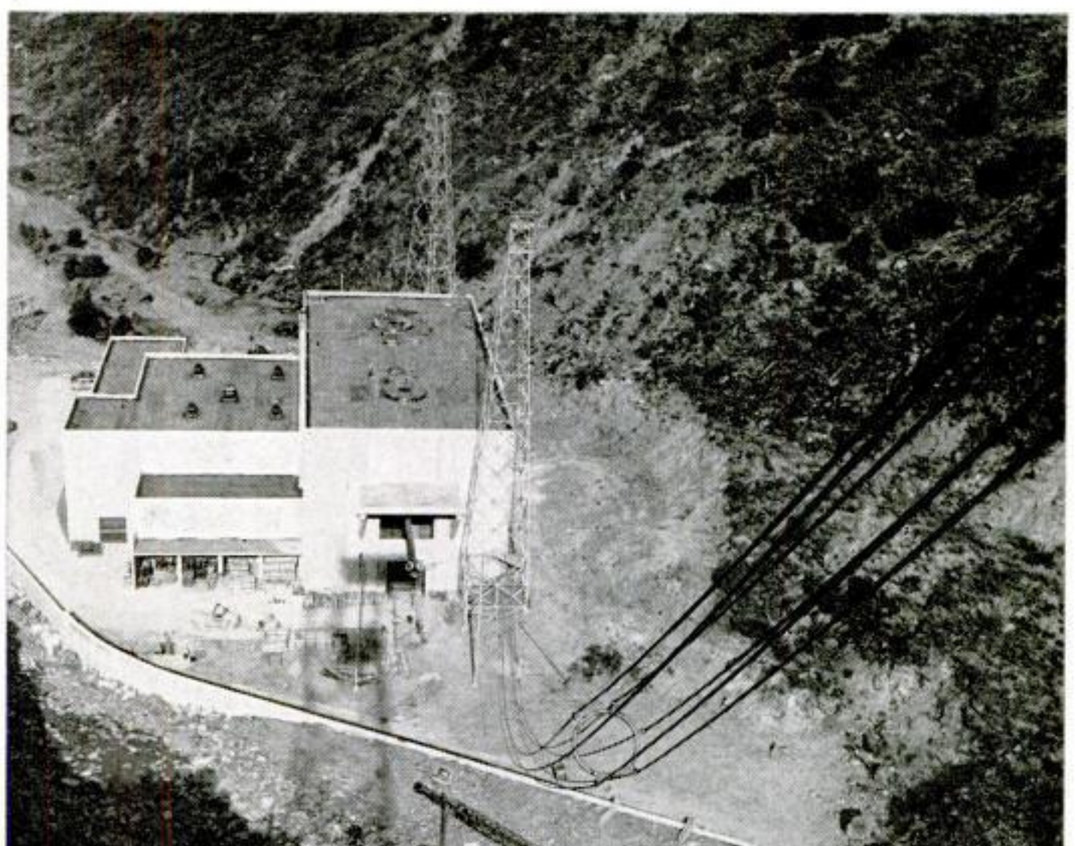
**ANTENNA CABLE** is adjusted before being hoisted upon supporting lead-in towers. Giant antenna is made up of more than 30 miles of cable.



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THAN 5,000 FEET FROM CREST TO CREST TO FORM AN IMMENSE ANTENNA. IN VALLEY IS TRANSMITTER BUILDING (CENTER) AND NEW COMMUNITY (BOTTOM)





**TRANSMITTER BUILDING,** photographed from a 200-foot tower high on the mountain, stands on valley floor beside new channel of diverted Jim Creek.

←**GUNLIKE BARREL** is 86-foot-long lead-in from antenna to the transmitter building. Visitors to site during construction thought barrel was an atomic gun.

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# GOOD PLACE TO SHOP

## Christmas time or any time!



YOUR **Lee** DEALER HAS A STOREFUL OF

# Practical Gifts

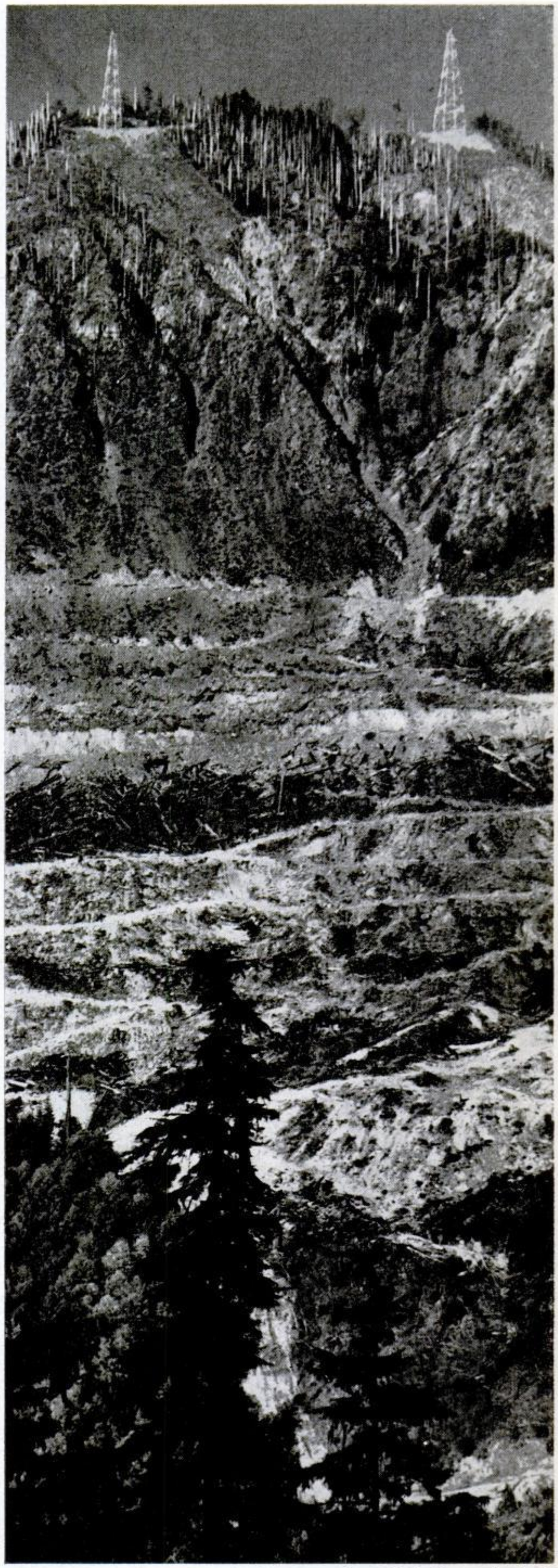
Want to give the kind of gifts that will really be used—and appreciated? Then shop first at your Lee dealer's! The fact that he handles the top line in work clothes—LEE—means he is a quality dealer, has other top lines, too! It's easier to choose the right gift with the help of your Lee dealer. And if you decide on the most practical gift of all—work clothes—he can supply you with the most famous of all, Lee Matched Shirts and Pants, Overalls and Jackets, Dungarees and Lee Riders, the genuine western cowboy pants and jackets.

**THE H. D. LEE COMPANY**
**General Offices, Kansas City, Mo.**
**Ten factories coast to coast**




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**SLASHED SLOPES** of Wheeler Mountain, from which thousands of tall Douglas firs were cleared, drop more than 3,000 feet from antenna towers to the valley below. Carved out along the mountain side are access roads (*middle*). Buried beneath valley floor are 220 miles of copper ground wire.



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# Santa Claus presents six beautiful BarcaLoungers!

A wonderfully comfortable BarcaLounger is the perfect gift for hard-working Mother or Dad... in fact it's a gift the whole family will enjoy. New improved "Floating Comfort" makes the BarcaLounger different from any other chair. The back-rest, seat and leg-rest are synchronized to cradle your body *automatically* in any position from up-right sitting to reclining—without knobs or levers. You just sit down and lean back. The BarcaLounger gives you a welcome rest before or after meals. Puts you in just the relaxed mood for a sound night's sleep. For hand-crafted beauty, quality and head-to-toe relaxation, the BarcaLounger is in a class by itself.

See the many styles, sizes and coverings at your favorite department or furniture store now! Write for free illustrated booklets and name of nearest dealer. Barcalo Manufacturing Co., Dept. L11, Buffalo 4, N. Y.

THE ONE AND ONLY

**BarcaLounger**

PATENTED

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**What size chair do you wear?** The BarcaLounger is built for talls, mediums, shorts. Be sure *you* get a correct fit.



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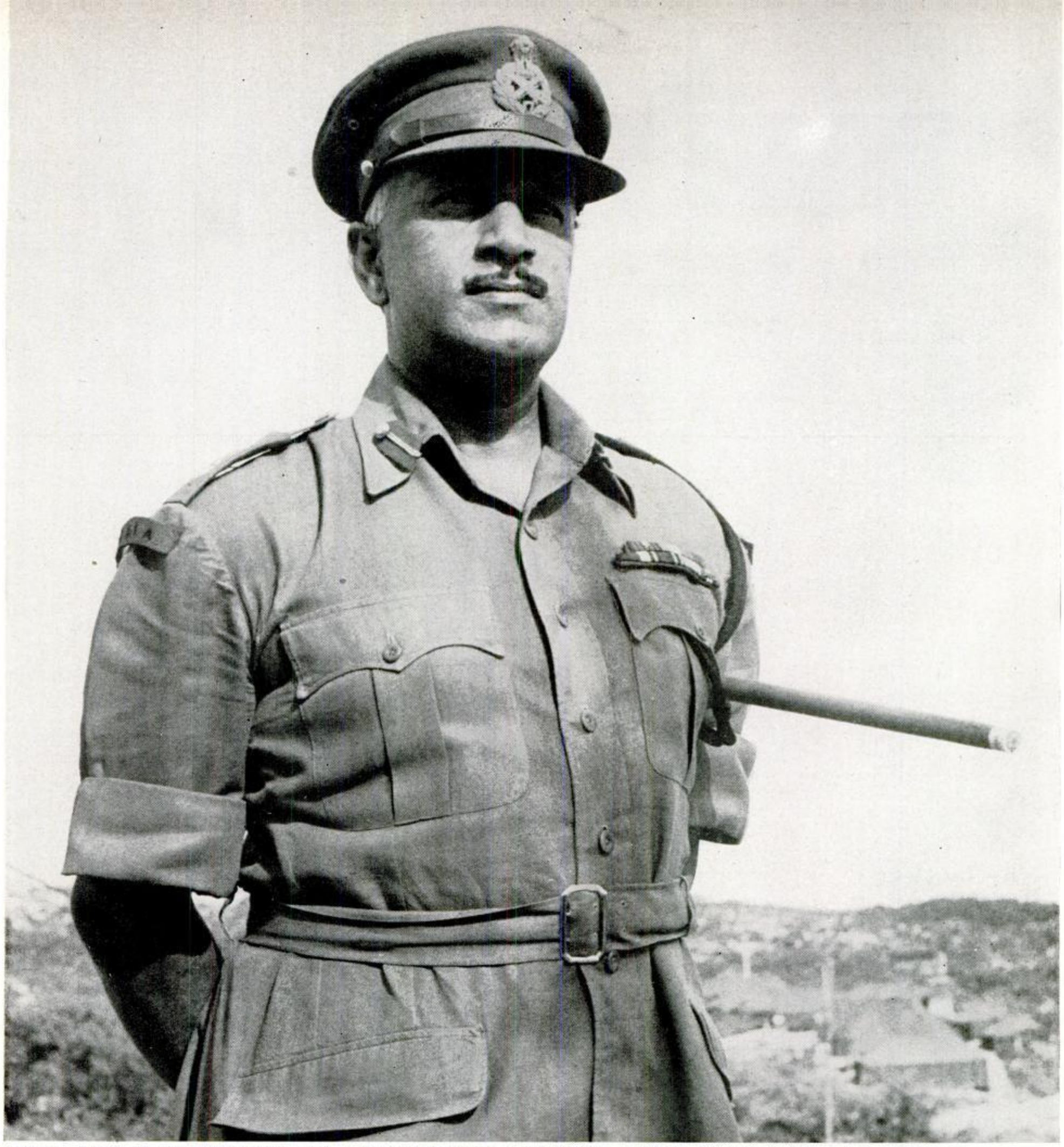

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SWAGGER STICK TUCKED UNDER HIS ARM, GENERAL THIMAYYA ASSUMES THE CORRECT OFFICER'S STANCE HE LEARNED AT SANDHURST

# THE IRON UMPIRE OF PANMUNJOM

## India's General Thimayya is passionately neutral. Result: the Reds are losing their game in Korea

by DWIGHT MARTIN

ON a recent cold gray morning a taciturn group of men sat in a U.S. Army squad tent near Panmunjom. Six of them were North Koreans—anti-Communist prisoners of the United Nations who were also leaders of the compounds in which they were being held. The others were an interpreter and Indian army guards. A space heater glowed cherry red against the tent's chill. The prisoners smoked, chatted and shifted from time to time on their green metal folding chairs. But their eyes kept moving to the tent flap.

At precisely 11:00 a.m. it parted. The guards and prisoners jumped to attention as a strikingly handsome six-footer wearing the red collar and tabs and cap band of an Indian general officer walked in. Moving gracefully as a cheetah despite his 200 pounds, he placed his cap, swagger stick and gloves on a little table, nodded pleasantly at the semicircle of prisoners and sat down.

"Now then, gentlemen," he said. "You wanted to see me?"

"Mr. Moon," said the interpreter, indicating a short, wiry Korean prisoner with a scraggly pencil-line mustache, "is worried about the Communist explainers." Mr. Moon nodded vigorous assent.

Then for nearly 20 minutes the newcomer recited the latest developments in the repatriation program. Speaking with relaxed, man-to-man frankness, he told the prisoners flatly that the Communists (whom he was always careful to refer to as "the northern side") were stalling because they did not want to face further humiliation in the explanation tents, and he gave them his unequivocal personal assurance that no anti-Communist prisoner of war would be sent north against his will. The general's casual calm and avuncular demeanor poured over the prisoners like balm. The compound leaders listened raptly, eyes fixed steadily on the speaker's mobile, patrician face, like so many completely charmed cobras, an illusion heightened by the collars of their overcoats and parkas which swayed gently to and fro as they followed his every gesture.

The formal talk over, the general and the others all lighted cigarets and chatted informally a few moments. The general made a couple of jokes about a prisoner who had tried to escape the night before and

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**A BITTER PROTEST** against Thimayya and Indian soldiers was this demonstration in Seoul. South Koreans, fearful that Indians would favor Communists, staged such anti-Indian rallies, even accusing troops of barbaric acts.

## IRON UMPIRE CONTINUED

the others roared with laughter. Then he rose. The guards snapped again to attention and the general went out, followed by the warmly grateful glances of the six compound leaders. India's Lieutenant General Kodendera Subayya Thimayya, on whose athletic shoulders rests the burden of fairly repatriating all prisoners of the Korean war, had solved another problem.

It had been a small and easy one, but it typified the way Thimayya has handled the enormously greater ones which confronted him two months ago when he first arrived in Korea. He was taking over the critical job of umpire (technically, chairman of the Neutral Nations Repatriation Commission) over the Communist and free world tug-of-war for 22,000 prisoners of war, almost all of whom do not want to go home. Under him were 5,700 Indian troops, commanded by his long-time personal friend, Major General S.P.P. Thorat, who was formerly chief of the Indian general staff and who has been Thimayya's right hand in working out the Korean problem—as far as it has been worked out. The old Indian army comrades arrived in Korea in an atmosphere of mistrust, suspicion and even open hatred because they were widely believed to be pro-Communist. The South Korean government, for example, refused even to let them land on South Korean soil and as a result they were ferried directly from ships in Inchon Harbor to Panmunjom by what was widely hailed as the biggest helicopter airlift in history. Once they were there, the anti-Communist prisoners had to be restrained from hurling chairs at the Indian officers on inspection tours, and many could not be restrained from deliberately spitting into the faces of their guards, proud Rajputana Rifles, Dogras, Jats, Mahrattas—an insult which the well-disciplined Indian troops, under strict orders, accepted without retaliation.

### 'The Pied Piper of Panmunjom'

NOW as the general left the tent and the prisoners he glanced around the treeless rolling terrain just south of Panmunjom where the compounds and the NNRC headquarters are located and saw banners on the prisoners' tents: "We support the Indian troops." He heard the prisoners cheering him as he passed. Their changed attitude reflected the feeling all over the area where U.N. —and especially U.S.—officers were now as loud in their praise of the Indian military mission's fairness and honesty as they had been harsh in condemning it 60 days before. Everyone had learned in that time that the Indians were stanchly determined to be just what they should be: strictly, effectively and humanely neutral. They had also learned that the man responsible for this program of rigid impartiality was General Thimayya. The previously rebellious and violent prisoners were overjoyed and began making presents for Thimayya, or "Timmy," who is also referred to as "The Pied Piper of Panmunjom" because of this very effect on the prisoners. The U.N. staff was enormously relieved and the only unhappy ones were the Communists who presently began to appreciate that the Indians' unshakable, unprotestable neutrality was forging an enormous defeat for them.

In order to appreciate both the magnitude and subtle difficulty of Thimayya's assignment, it is necessary to recall what neutrality really means in contrast to what most of the world, most of the time, takes it to mean. When India was named to head the

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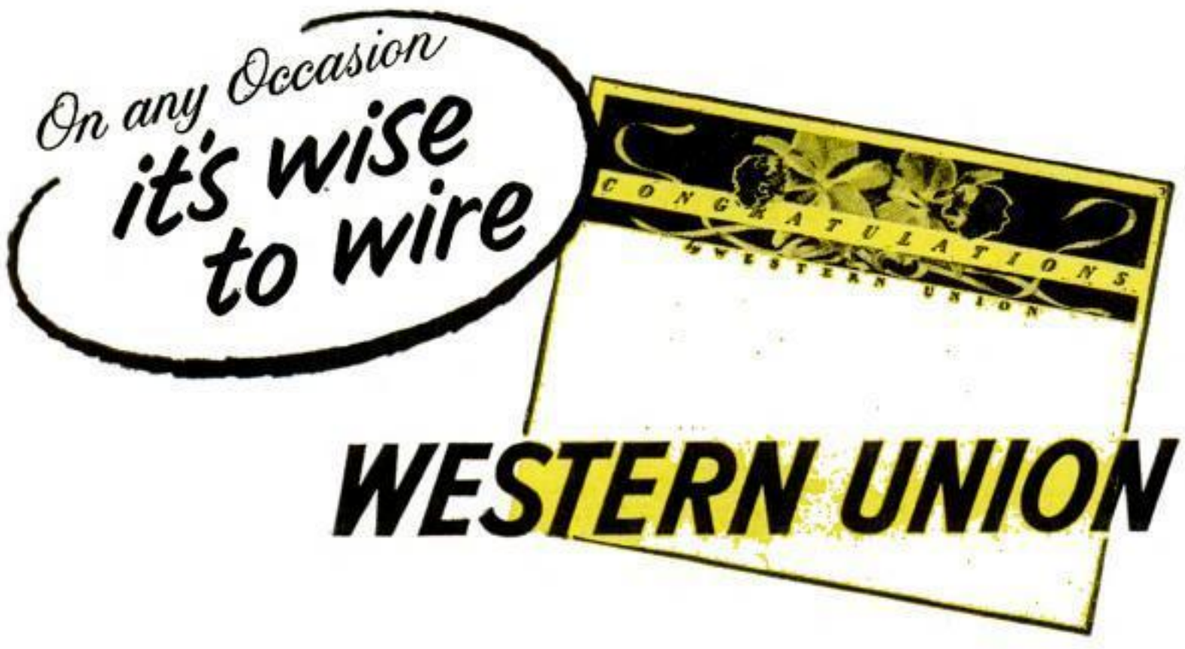

**OR FIFTH**



**OR TWENTY-FIFTH**



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**HANDING ONE BACK,** Lieut. Colonel Ujjal Singh, Sikh member of Indian contingent, checks off a prisoner (*foreground*) whom "explainers" have talked into going back to Communism. In such transfers Singh wishes each man luck.

## IRON UMPIRE CONTINUED

five-member neutral commission which is otherwise balanced exactly between Communist and non-Communist nations (Czechoslovakia and Poland *vs.* Sweden and Switzerland), it was commonly accepted that India would not of course be openly pro-U.S., or pro-Britain, or pro-any-other-nation. But it was generally felt that India should at least behave in a friendly way toward the U.N. of which it was a member, or, as the phrase went, "be neutral in favor of the U.N." Thimayya, however, felt that to be completely neutral one must take a position above and absolutely disassociated from either party to the dispute, even though either or both of them may be friends. In the light of subsequent developments, this seems painfully obvious. At the time it was not.

Thus, shortly after his arrival Thimayya received a diplomatically correct invitation to a Chinese Communist celebration in Kaesong. He accepted it—he could hardly refuse since it came from a power nominally friendly to his country, and recognized by it. But a few days later when he received an invitation from the anti-Communist Chinese prisoners to attend a party they were giving in honor of the Chinese Nationalist holiday of the Double Tenth (their Fourth of July), he refused. The invitation included a phrase that said ". . . we hope you will join us Chinese anti-Communist fighters and honor us with your company." Said Thimayya, "Dammit, I'd like to go, but it simply wouldn't be proper. If I were an anti-Communist in the sense of this invitation, I couldn't and wouldn't be here. I had to tell these chaps that I am not *anti-Communist*, that I am not *anti-democratic*, that I am here as a neutral."

### 'Neutrality'—a definition

HOWEVER, many a U.S. Army officer felt that this was clear evidence of partisanship. This feeling was intensified by the mutual, bone-deep hatred that marked the two antagonists at the truce meetings where for more than two years allied and Communist negotiators bitterly faced one another day after day across the green felt table with never a smile or a handshake.

Furthermore, as Thimayya himself now admits, he and his aides arrived unprepared for what they would face. For example, they suspected that a large number of the U.N.'s prisoners were being held in some form of duress, *i.e.*, being forcibly prevented from going home. "We felt," says Thimayya, "that the natural desire of anyone is to go home." His view, however, was quickly changed by the prisoners themselves, as his troops reported the results of conversations held with them by Communist "explainers." Communist tactics also helped alter Thimayya's thinking.

Like the U.N. staff, the Communists discovered that what the supposedly Red-friendly Thimayya meant by "neutrality" was the most scrupulous intellectual as well as physical neutrality. Thimayya inaugurated the practice now prevelent at Panmunjom of referring, as he himself had done in talking to the six compound leaders, to the opposing sides as "the northern side" or

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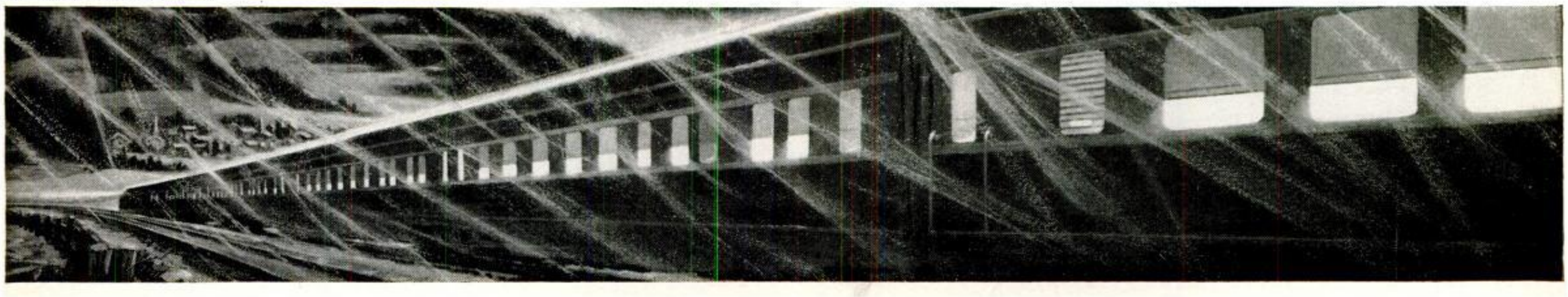


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**NO. 1 AIDE** to Thimayya is Major General Shankar Pandurang Patil Thorat, who commands Indian troops guarding the prisoners of war. Thorat was formerly chief of Indian general staff.

## IRON UMPIRE CONTINUED

"command" and "the southern side" (a practice which delighted the Americans from below the Mason-Dixon line). Visiting the Communist area, Thimayya is driven in a Russian car, while in the U.N. territory he rides in a U.S. car. Similarly, his men, who at the onset of winter were issued cold weather clothing by both the Communist and U.N. commands, have adopted the practice of wearing a U.S. cap and a Communist cap on alternate days.

Coincidentally with the discovery of Thimayya's iron neutrality, the Reds also began getting bad news from the tents of the "explainers," where prisoner after prisoner was refusing to return to his own Communist-held land and stubbornly demanded that he be permitted to remain in a strange country. The Communists launched on a new strategy and Thimayya's troubles began to multiply.

They produced one repatriate and prompted him to charge that Chiang Kai-shek and Syngman Rhee "agents" were operating a "torture chamber" in one of the compounds. To support his charge the prisoner produced a "map" of the compound purporting to show the location of the torture chamber. Thimayya first pointed out to the Communists that the map was a meaningless sketch that bore no resemblance to the actual compound, then he made a personal inspection of the compound with the prisoner. They found no torture chamber. Thimayya asked the prisoner what kind of tortures had been inflicted on him and the prisoner wailed that he had been cruelly beaten about the stomach with sticks. Thimayya gravely examined the stomach in question. There was not a mark on it.

### Roots marked the spot

ON another occasion the Communists trotted out an ex-PW who charged that U.N. "agents" had murdered a pro-Communist prisoner in a compound who wished to return home. Thimayya skeptically but patiently ordered an investigation. The accusing prisoner, accompanied by both Communist and U.N. observers and members of the press, entered the compound and singled out seven "witnesses" to the murder. This group was removed from the compound and the plaintiff took the investigators to the spot where the "murder victim" was allegedly buried. The investigators dutifully started digging, but gave up when they found the ground had never been touched—not even the grass roots were broken.

A few days later the men in the compound came before the Red explainers to be coaxed into returning home. Only two of the 205 prisoners interviewed elected repatriation, despite the recent ominous "murder."

Much more brain-twisting problems were created for Thimayya. From the 22 Americans and one British soldier who have elected to remain with the Communists, he received a clearly inspired complaint that they were being unfairly treated—the mail they received from home was *not* being censored by their guards for statements designed to lure them back home! Thimayya is a poised

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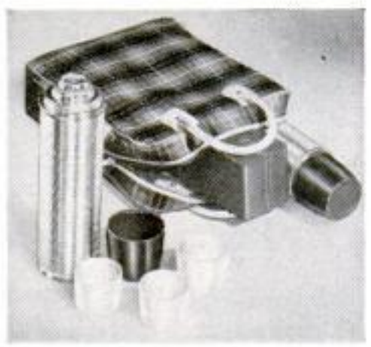
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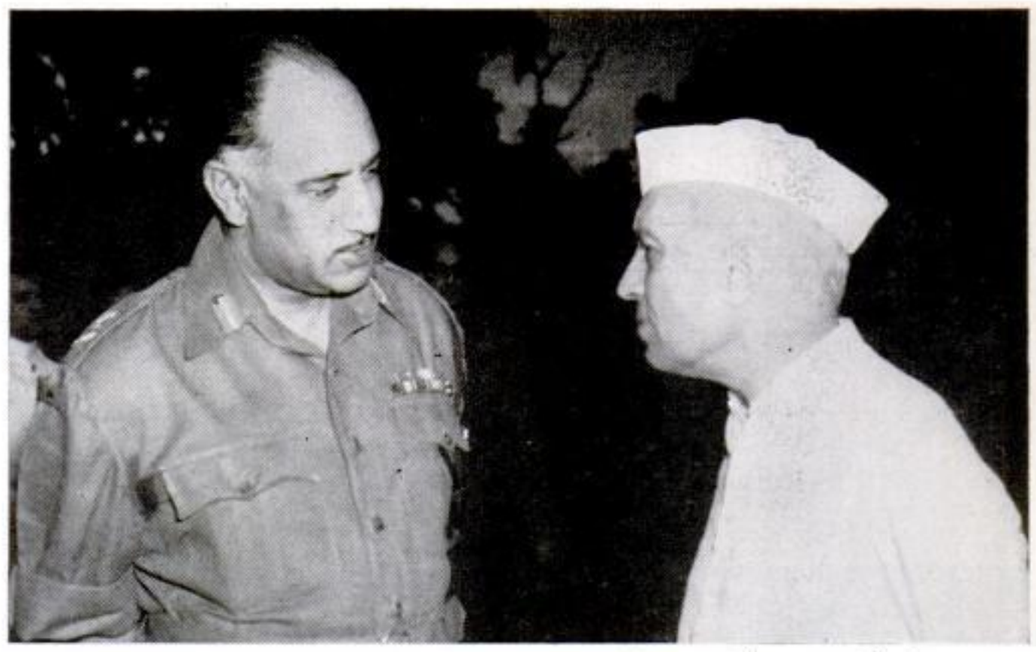
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**THIMAYYA AND NEHRU** talk at airport before the general's departure for Korea. Nehru, a close friend, regards Thimayya as a soldier-diplomat and had sent him on two U.N. missions before selecting him for his present job.



and deliberate man whose natural dignity does not stifle a sense of humor. Said he drily, "I suppose we can censor these chaps' mail if that's what they want. But what do you do when a man gets a letter from his wife saying, 'Darling, please come home'?"

This personal attention to complaints and scrupulous fairness in settling them is the keystone of Thimayya's success as a neutral. When the explanations are in progress, he usually drives over to the explanation area in his black Chevrolet sedan and strolls up and down the line of tents, noting the conduct of the Indian subchairmen in each tent and delivering not-to-be-disputed verdicts when called on to umpire claims of violations. The Indian subchairmen's most frequent complaints are 1) the Communist explainer will not stop talking after he has been ordered to, or 2) the prisoner will not stop impugning the chastity of the explainer's mother. In either case the interchanges usually become quite heated. Often Thimayya gives the Communist explainer a direct order to stop, and instructs the Indian guards to remove the prisoner.

In recent weeks the Communists, baffled by this dead-center neutrality, have resorted to the charge of "agents" in the compound (whom they never can name) and they have demanded again and again that Thimayya use "force" to root them out—bloodshed or a breakout in the compounds is one thing on which they could make real capital. Most recently, they extended individual prisoner interviews to as long as four hours per man, which caused prisoner complaints and forced Thimayya to call off the interviews temporarily. This lent credence to a suspicion that the Reds really want to end them permanently. To the Communists' loud and sometimes emotional demands Thimayya replies with proportionate gentleness. "Gentlemen," he will say, "I should be delighted to oblige you but I can see no practical way to comply with your request. Have you any suggestions?" On other occasions he uses more blunt, though still unruffled, talk to make a point. The Communists, for example, complained about the attitude of the prisoners toward the explainers. "Well," said Thimayya, "if the whole lot sits down and says 'No, we bloody damned well won't attend the explanations,' what in the hell are you going to do about it?"

### Tea in bed at 7

HOWEVER urbanely neutral he appears in public or at the conference table, it has been observed by those close to him in Panmunjom that in recent weeks Thimayya has become so sickened and enraged by the Communists' open obstructionism, double dealing and almost contemptuous lying that he has several times come close to an open break with them. In the early days he was needled during press conferences by some of the Communist correspondents; in recent weeks he has had a dry comment or two to make about the sparsity of prisoners who want to return to Communist countries. He has also been known to remark that he and his men "have to be neutral *here*" with a curious significant emphasis. A contributing factor in this recent modification in attitude may be that despite his Asian background—he is 47, a Hindu and a native of Coorg—Thimayya also knows, and likes, many Western ways. Both he and his old friend Thorat received military training at Britain's famed Sandhurst, and today Thimayya starts his day, English fashion, with tea in bed at 7 and often ends his dinner 14

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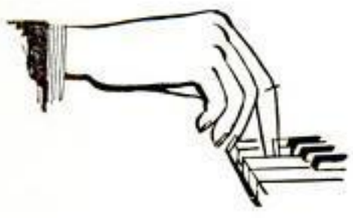


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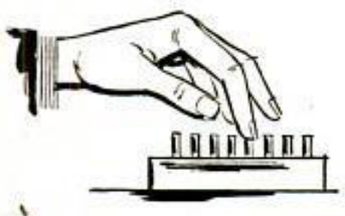
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hours later with a glass of Drambuie. In between he rises, does setting-up exercises standing on the skin of a panther he himself shot one peaceful evening in his own garden, dictates while dressing, makes his rounds of inspection and adjudication, conducts the daily NNRC meeting at which he reports on the prisoners' *status quo* and sometimes has to listen there to a Communist harangue that may last until 3 a.m. Regardless of how busy he is he always clips the comic strips out of *The Stars and Stripes* and mails them to his daughter at school in Mussoorie, India.

Like Thimayya, General Thorat has also had an introduction to Western culture not only through his Sandhurst days but through his father, a distinguished Indian agriculturalist who took graduate work at the University of Wisconsin and later became prime minister of the state of Kolhapur. Thorat too is a man of quiet charm and gentleness. Both men have recently received hundreds of letters from Indian well-wishers, and one to Thorat from a young girl expressed regret that she could not send a contribution to the troops. He wrote in reply, "My dear child, please believe me when I say that my men and I would much rather have your sweet thoughts and kind words than all the riches in the world. . . ."

Both men have won the D.S.O., were personally selected by Prime Minister Nehru for their present posts (and upon their return to India should give him a jarring account of how the Reds work). Both, it is generally predicted, are destined for even more important jobs. Many people believe that Thimayya will probably be India's next military commander in chief and, even more important, is the prototype of a new kind of Asiatic statesman who, in contrast to Nehru, could prove comprehensible and even intelligible to the Western world. Both Thimayya and Thorat have not only understanding of how the world's other half lives but they have the enormous ability required to utilize it. As a commander during World War II, Thimayya, for instance, distinguished himself fighting the Japanese in Burma, where he personally led attacks, and he later set a kind of military record by launching and winning a tank attack at 13,000 feet during the fighting between India and Pakistan in the mountains of Kashmir. Tanks had never operated at that elevation before.

Yet in the historical sense Thimayya has operated in Korea at an even more rarefied level, and with greater success. For by being so carefully neutral about everything connected with the prisoners' repatriation to—or flight from—their own countries, Thimayya has conducted a scientific, internationally visible, laboratory test on Communism's success as a way of life. And its results are plain for all the world, but especially the Asian world, to see. Ninety-seven per cent of all the Chinese and Korean prisoners interviewed by Communist persuaders have refused to return to their own lands while these are in Communist hands. And because of Thimayya's cold impartiality not even the Communists can say that the test tube was doctored. Said a Yugoslav news correspondent, himself a Communist, at Panmunjom a few weeks ago, "It is impossible for anyone who has not lived under the Russians to appreciate the shock and humiliation which this propaganda defeat has given both them and the Chinese and North Korean Communists."




**TRIBUTE** from American engineers is this sign that they erected for Thorat, who was enormously flattered by it. The sign, on Hill 155 and now in the demilitarized zone, was put up simply because Thorat likes the view from here.

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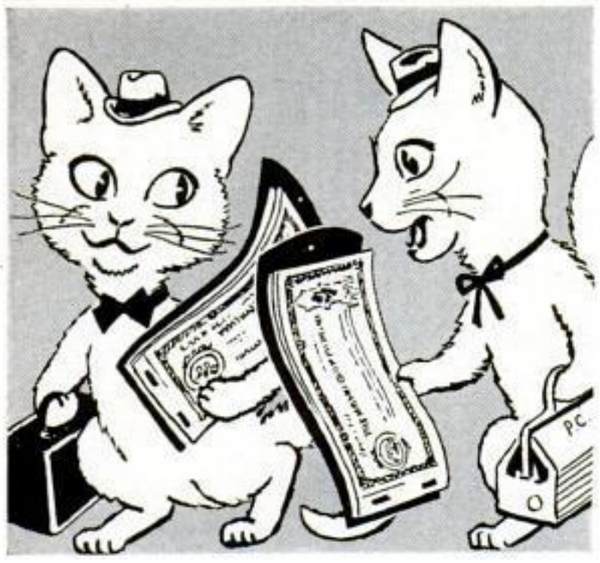
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Last longer because they are longer! 15¢

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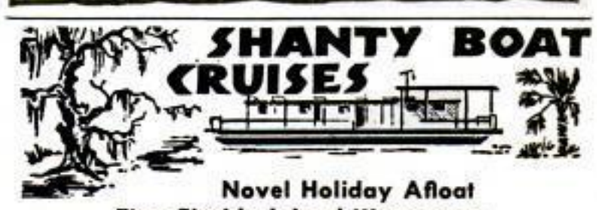


Chapped lips?
*Here's fast relief*
Mentholatum *Medicated* Stick contains lanolin, menthol—other soothing, helpful ingredients. Fits pocket or purse.

Screw-on cap keeps out dust, lint, tobacco




Now in new plastic case



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Novel Holiday Afloat
Thru Florida Inland Waterways
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Capt. Jim Nisbet, Box 1628-F, Ft. Myers, Fla.

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Nature's Remedy gives gentle yet thorough overnight relief! No griping! Not habit-forming! Proved dependable for over 60 years by millions. Try this all-vegetable laxative now. At your druggist's.

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NR TO-NIGHT TOMORROW ALRIGHT



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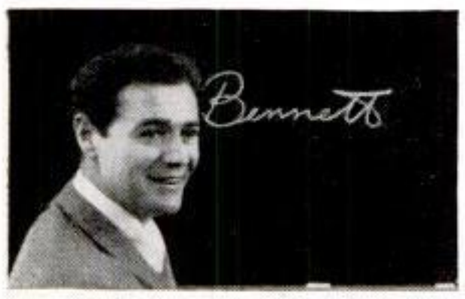

# WHAT'S MY LINE?*

A Mark Goodson-Bill Todman Production

Once every week over 21,000,000 TV and radio fans see and hear a panel of Broadway celebrities play the most popular guessing game in the nation's history. The show: "What's My Line?" The boss: nimble-witted, urbane John Daly. Here Marlboro shows you how to take the guesswork out of gift-giving, with the right answer in men's sportswear —for Christmas, a birthday, or any day!




John Daly, Moderator of "What's My Line" TV and Radio Show, famed ABC Commentator and Newscaster.




## Sign in, please . . .

Let's see your hands! Guess: Architect. Right! *The Shirt:* MIRRORTONES, an exclusive Marlboro fabric of luxurious spun rayon. **$7.95**
*The Jacket:* THE PACE . . . an all weather rayon covert, with TEMP-RESISTO insulated lining for weightless warmth. **$14.95**




## Are you self-employed?

Do you supervise others? Yes! The panel narrows it down to "Construction Boss." He's wearing COBBLECORD, a newly textured rough and ready corduroy exclusive favorite in a Marlboro construction that's perfect for on or off the job. **$8.95**

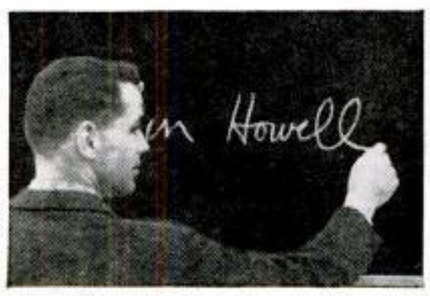







## Is your work done mostly indoors?

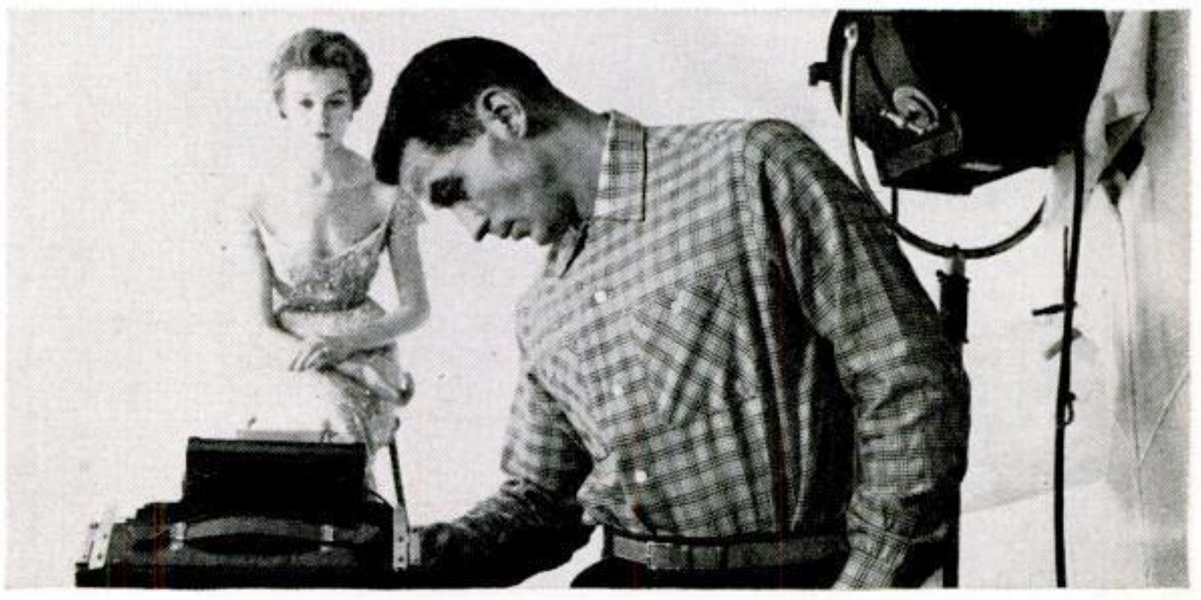
Yes! Guess: Draftsman. Right! *The shirt:* the DUROGAB Testpruf, tailored of rich rayon gabardine in exact sleeve lengths and full shirt tail. Guaranteed unconditionally washable. For a perfect gift—give the DUROGAB Testpruf. **$5.95**




## Do you deal in a finished product?

Yes. Are you a fashion photographer? Yes. His eye for color and pattern, his appreciation of texture makes him just the man for a Vermeer Authentic . . . An Imported Fabric—Woven in Holland. Exclusively Marlboro's . . . and washable, too! **$5.95**





In Dad's footsteps—most styles available in Junior and Prep sizes.

## Whatever his line, give him the right answer in sportswear

*Sponsored by Jules Montenier, Inc., on CBS TV and radio

# Marlboro

SHIRT COMPANY, INC., BALTIMORE, MD.



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# RIPLEY'S—

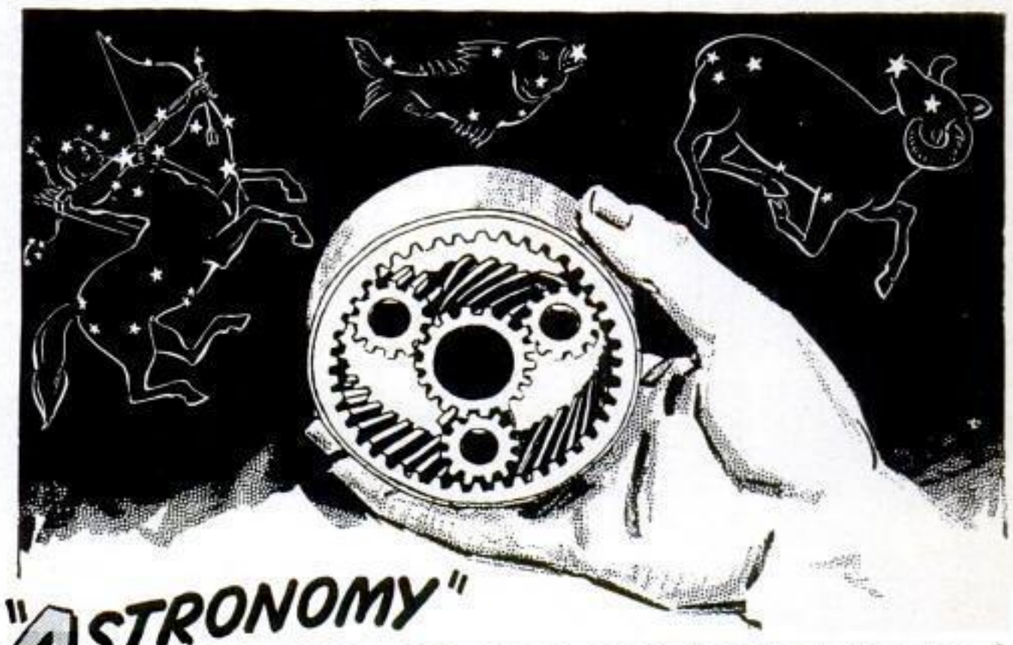
## DEADLY NEW JET TAKES THE BUBBLE CURE!

UP WHERE THE NAVY'S F9F-6 COUGAR FIGHTS, THIN AIR MAKES FUEL "BOIL" IN THE TANK, CAUSING BUBBLES TO FORM. THESE CAN INTERRUPT THE FUEL FLOW. THE REMEDY IS PROVIDED BY A TINY PUMP FROM **B-W'S PESCO**. OPERATING WITHIN THE FUEL TANK IT WHIRLS OUT THE BUBBLES... HELPS THE COUGAR TO FIGHT WITH TOP POWER AND SPEED AT HIGHEST ALTITUDES.



## 2-QUART SQUIRT GUN FOUGHT FIRES IN EARLY LONDON!

WITH THIS FIREMAN'S SQUIRT, USED IN THE 17th CENTURY, A 2-QUART CHARGE OF WATER COULD BE SUCKED UP AND SHOT INTO THE FLAMES. TODAY, FIRE FIGHTING EQUIPMENT CAN POUR TONS OF WATER ON A BLAZE: BUT HUMAN CARELESSNESS STILL BURNS DOWN 900 U.S. HOMES A DAY. MAKE SURE YOURS ISN'T ONE OF THEM! CLEAR OUT "JUNK", REMOVE HAZARDS, DON'T GIVE FIRE A PLACE TO START.



## "ASTRONOMY" SAVES GAS IN AUTOMOBILES!

IN THE FAMOUS B-W OVERDRIVE, THE GEARS ARE GROUPED LIKE A SOLAR SYSTEM. THERE'S A "SUN" GEAR WITH "PLANETS" CIRCLING IT. WITH THIS SPECIAL ARRANGEMENT, **B-W'S WARNER GEAR** MAKES IT POSSIBLE FOR THE ENGINE TO RUN **SLOWER** AUTOMATICALLY WHEN A CAR HAS PICKED UP SPEED. THIS SAVES GAS... CUTS DOWN ON WEAR AND REPAIRS.

## 185 PRODUCTS IN ALL ARE MADE BY BORG-WARNER



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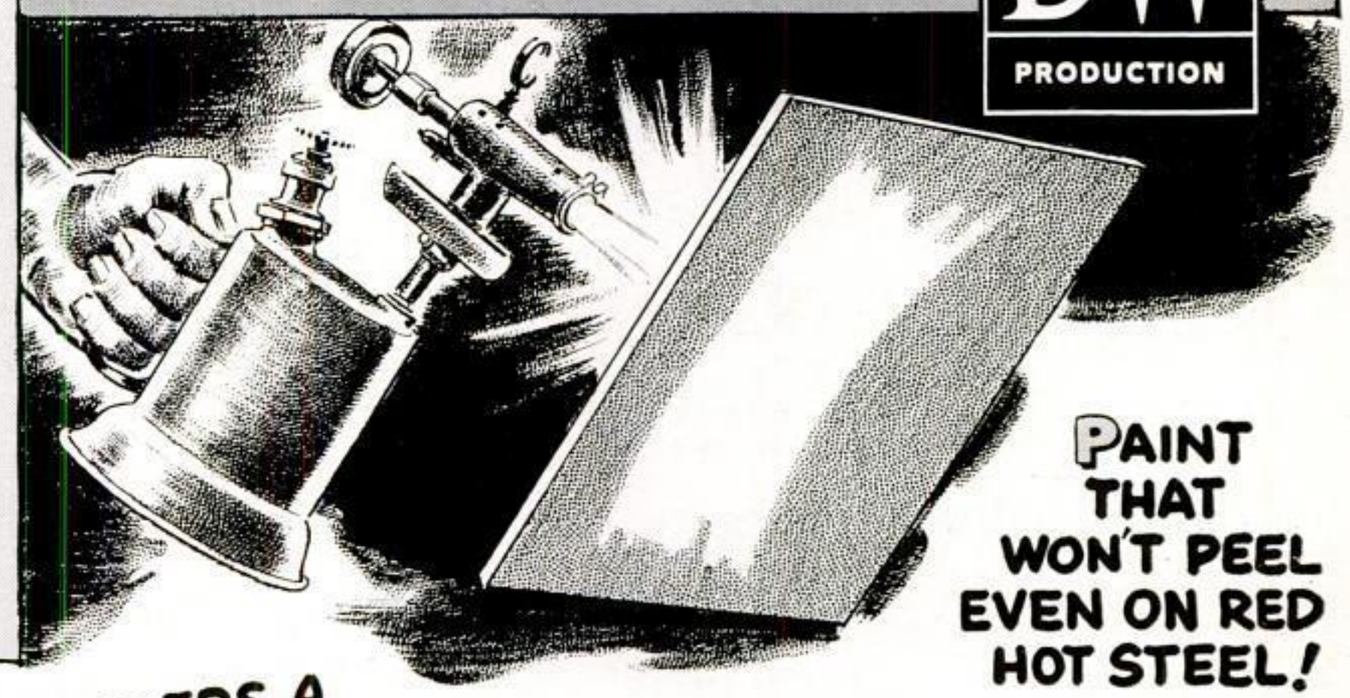
# Believe It or Not!

ENGINEERING B-W PRODUCTION

## DRIVING OUT THE AIR THAT SLOWS DOWN JETS...CREATING PAINT THAT HANGS ON WHEN THINGS GET HOT... HITCHING CARS TO THE STARS!

IN SO MANY WAYS **B-W** SKILL AND INGENUITY TOUCH THE LIFE OF ALMOST EVERY AMERICAN EVERY DAY.

FOR EXAMPLE: *19 OUT OF THE 20 MAKES OF MOTORCARS CONTAIN ESSENTIAL PARTS BY* **BORG-WARNER**. *EVERY COMMERCIAL PLANE AND MANY SHIPS AFLOAT HAVE ABOARD VITAL* **B-W** *EQUIPMENT.* **9** *OUT OF* **10** *FARMS SPEED FOOD PRODUCTION WITH* **B-W** *EQUIPPED MACHINES. AND MILLIONS ENJOY THE OUTSTANDING ADVANTAGES OF* **B-W** *HOME EQUIPMENT AND APPLIANCES.*



## PAINT THAT WON'T PEEL EVEN ON RED HOT STEEL!

THE BLOWTORCH HEAT OF STEEL PLANT FURNACES IS DEATH ON PAINT. BUT THE NEW "HIGH TEMPERATURE ALUMINUM ENAMEL" DEVELOPED BY **B-W'S MARBON** STANDS UP EVEN ON RED HOT FURNACE DOORS. BECAUSE IT CONTAINS A NEW RESIN, THIS PAINT WON'T BLISTER OR PEEL. IT PROTECTS BETTER AND LONGER... CUTS DOWN REPAINTING.



## GIVING FREEZERS A FEVER ASSURES A BETTER CHILL!

EACH NEW **B-W** **NORGE** HOME FREEZER IS PUT THROUGH THE MOST STRENUOUS COLD-MAKING TEST. FIRST, IT IS GIVEN A 110° "FEVER" IN A SPECIAL HEAT CHAMBER. THEN IT IS TURNED ON AND THE INSIDE TEMPERATURE QUICKLY REDUCED TO SUB-ZERO. SUCH SEVERE TESTING COULD RUIN ORDINARY FREEZERS. IT ASSURES PERFECT FOOD PROTECTION IN NORGE FREEZERS UNDER ALL CONDITIONS.

## MAKING HAY WHILE THE MOON SHINES!

NOW FARMERS CAN MOW HAY IN THE AFTERNOON, DRY IT THAT NIGHT. A NEW CROP DRYING MACHINE DOES THE JOB BETTER THAN SUNSHINE. IN IT A HUGE FAN BLOWS A GALE OF FLAME-HEATED AIR THROUGH THE WAGON LOAD, DRYING A TON AN HOUR. TO PROVIDE TREMENDOUS AIR VOLUME THAT REMOVES MOISTURE FAST, A HEAVY-DUTY DRIVE SHAFT MADE BY **B-W'S MECHANICS UNIVERSAL JOINT** COUPLES THE FAN DIRECTLY TO THE ENGINE.

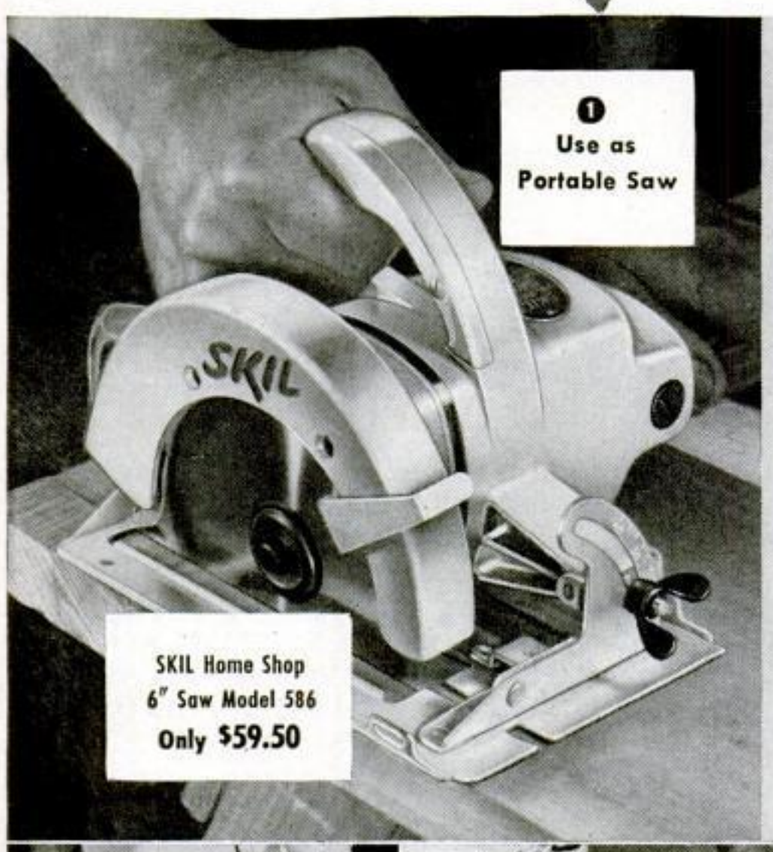
*These units form BORG-WARNER, Executive Offices, 310 S. Michigan Ave., Chicago:* ATKINS SAW • BORG & BECK • BORG-WARNER INTERNATIONAL • BORG-WARNER SERVICE PARTS • CALUMET STEEL • CLEVELAND COMMUTATOR • DETROIT GEAR • FRANKLIN STEEL • INGERSOLL PRODUCTS • INGERSOLL STEEL • LONG MANUFACTURING • LONG MANUFACTURING CO., LTD. • MARBON • MARVEL-SCHEBLER PRODUCTS • MECHANICS UNIVERSAL JOINT • MORSE CHAIN • MORSE CHAIN, LTD. • NORGE • NORGE-HEAT • PESCO PRODUCTS • REFLECTAL CORP. • ROCKFORD CLUTCH • SPRING DIVISION • WARNER AUTOMOTIVE PARTS • WARNER GEAR • WARNER GEAR CO., LTD. • WOOSTER DIVISION



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# $20 Gift Merchandise Certificate

## WITH ANY SKIL HOME SAW!




**SKIL Home Shop and Builders Saws World's Finest For Remodeling, Home Construction, Home Workshops**

Why be satisfied with ordinary saws when SKIL gives you so much, much more. You get greatest accuracy, maximum ease of handling with SKIL balance. You make fast, easy cuts with SKIL plus power. You make quick, simple bevel or depth adjustments and you're ready for any and every cut needed!



2 Converts to Table Saw



3 Converts to Drum Sander



4 Use as a Shaper

**Once-in-a-lifetime chance to own a SKIL portable saw . . . plus a combination table saw, sander and shaper unit . . . *the complete combination as low as $77.15***

Buy any SKIL Home Shop or Builders Saw and you get a Merchandise Certificate worth $20 on the SKIL Saw Table and Sander-Shaper kit—an unbeatable combination.

You have a *portable saw*—the preferred tool for building an extra room or garage. You're equipped to fit doors and storm windows, cut plywood panels, sheeting, siding—even stone, metals or compositions with special blades.

You have a *bench saw combination* for the precision sawing, shaping and sanding required in building cabinets, furniture and other such home projects.

Here is proof to you that it is not necessary to put big outlays into motors, belts, pulleys, to have a *complete* saw shop. Act *now* and save $20.

**SKIL Saw Table.** Quickly converts your SKIL Saw to tilting arbor table saw. Makes all cuts—bevels, miters, cross cuts, rips. Actually doubles use of saw.

**SKIL Sander and Shaper Kit.** Quickly converts SKIL Home Shop Saw Table into shaper and drum sander to do all your drum sanding, grooving, moulding and shaping.

**No other saws at anywhere near the price have all these features!**

Oversize Motor • Ball and Anti-friction Bearings • Built-in Bevel and Depth Adjustment • Telescopic Safety Guard • Sturdy Die Cast Aluminum Housing • Trigger-type Switch

SKIL HOME SHOP TOOLS

$20 Gift Certificate applies on this *complete* SKIL Sawing, Shaping, Sanding Combination.

**ACT NOW! This offer is time-limited. To get your $20 Gift Certificate you must buy your SKIL Home Saw by December 31, 1953. See your dealer displaying SKIL Home Shop Tools without delay. Sold by Leading Hardware, Appliance and Department Stores.**

Made only by SKIL Corporation, formerly SKILSAW Inc., Chicago 30, Ill. In Canada: Skiltools, Ltd., Toronto 9. Factory Branches in All Leading Cities






FACING GAY GOODBYS, SONGS AND CHEERS FROM HIS 1,000 STUDENTS.

# BROTHER SAM JOINS

With his students' farewell serenade ringing out over the spanking new $3.2 million campus he had wangled from the Connecticut legislature, President Samuel Miller Brownell, 53, left New Haven State Teachers College after six years for the most important and perplexing post in his field: U.S. Commissioner of Education. In Washington his younger brother Herbert, 49, found a few moments in a hectic, political week (*pp. 34, 35*) to witness Sam's induction as successor to Dr. Lee M. Thurston, who died Sept. 4 after two months in office.

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EX-PRESIDENT BROWNELL ASKED, "HOW D'YA TURN THIS THING OFF?"

# HERB IN WASHINGTON

On federal aid to education the new commissioner, one of the nation's top school administrators, is an advocate of local and state responsibility. On another educational and political hot potato, the school segregation cases before the Supreme Court, where Attorney General Brownell will need Commissioner Brownell's advice on the issues, Sam may find himself in an old family role. Back home in Peru, Neb. it was Sam who advised Herb on the best way to milk the family cow and it was Sam who built the paper route that Herb inherited.

CONTINUED ON NEXT PAGE


# $10 Gift Merchandise Certificate

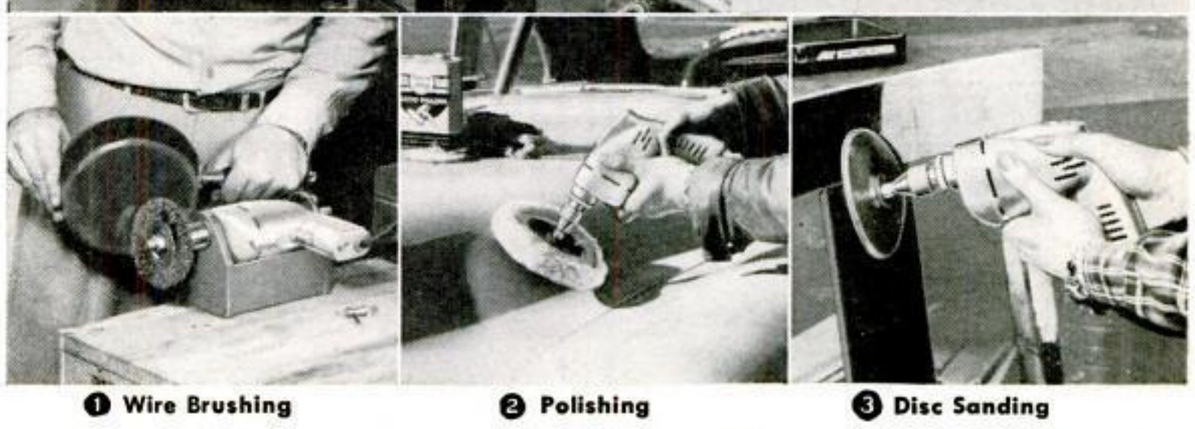
WITH PURCHASE OF ANY SKIL KIT



Home projects are easy to do, fun to do with the SKIL Kit.

**Complete Home Workshop for Drilling, Grinding, Sanding, Brushing, Polishing, Buffing!**





❶ Wire Brushing ❷ Polishing ❸ Disc Sanding

Install cabinets and shelves. Repair home appliances, fix furniture and mend toys. For sharpening, grinding, polishing—for *all* your home work and hobby work—a SKIL Kit answers your every need.

Choose among three value-packed SKIL Kits priced to meet *every* budget. Each of these SKIL Kits contains a rugged SKIL ¼" Drill or Sander-Polisher as the power unit and a big assortment of user-tested accessories. Here's an unbeatable combination of power, efficiency and convenience!



**Model 595 SKIL Deluxe Drill Kit—$44.95**—SKIL ¼" Drill with professional "geared chuck" and 19 accessories—drill stand, wire wheel brush, buffing and grinding wheels, polishing compound, full set of 13 twist drills and convenient steel carrying case. Special offer also applies to standard model SKIL Drill Kit at $26.95 and SKIL Power Chest at $54.95.

SKIL HOME SHOP TOOLS

**Get two power tools for little more than the price of one**

SKIL Gift Certificate with purchase of any SKIL Kit, entitles you to a $10 saving on the new SKIL Home Shop Bench Grinder. This household appliance has dozens of uses in kitchen, garage or workshop. *Exclusive knife sharpening attachment* makes quick work of grinding knives, scissors and carving sets to a fine edge. With wire brush or buffing wheel, this new tool cleans, removes rust, scours and polishes. Use it for maintaining tools, utensils, metalware and sports equipment.




**ACT NOW!** This offer is time-limited. To get your $10 Gift Certificate you must buy your SKIL Home Shop Kit by December 31, 1953. See your dealer displaying SKIL Home Shop Tools without delay. Sold by leading Hardware, Appliance and Department Stores.

Made only by SKIL Corporation, formerly SKILSAW, Inc., Chicago 30, Ill. In Canada: Skiltools, Ltd., Toronto 9. Factory Branches in All Leading Cities




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IF YOU SUFFER PAIN

of HEADACHE NEURITIS NEURALGIA

get FAST RELIEF WITH ANACIN




The way thousands of physicians and dentists recommend

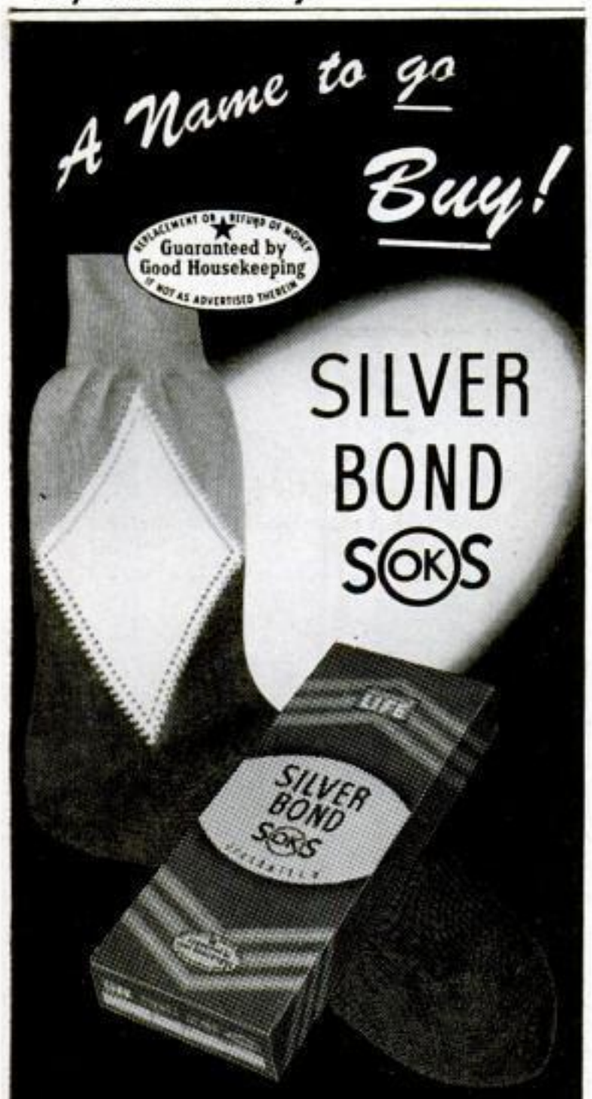
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Anacin is like a doctor's prescription. That is, Anacin contains not just one but a combination of medically proved active ingredients. No other product gives faster, longer-lasting relief from pain of headache, neuralgia, neuritis than Anacin tablets. Buy Anacin® today!



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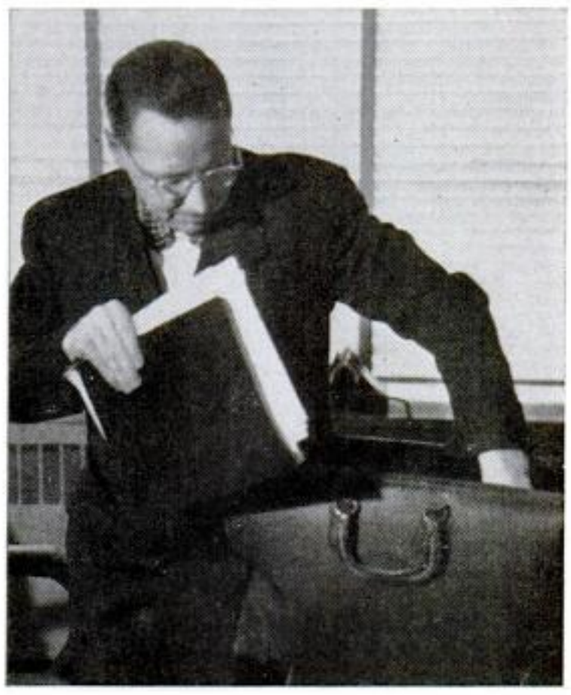

3 pairs guaranteed to wear 3 months or 3 new pairs FREE. 55¢ to $1.95 retail

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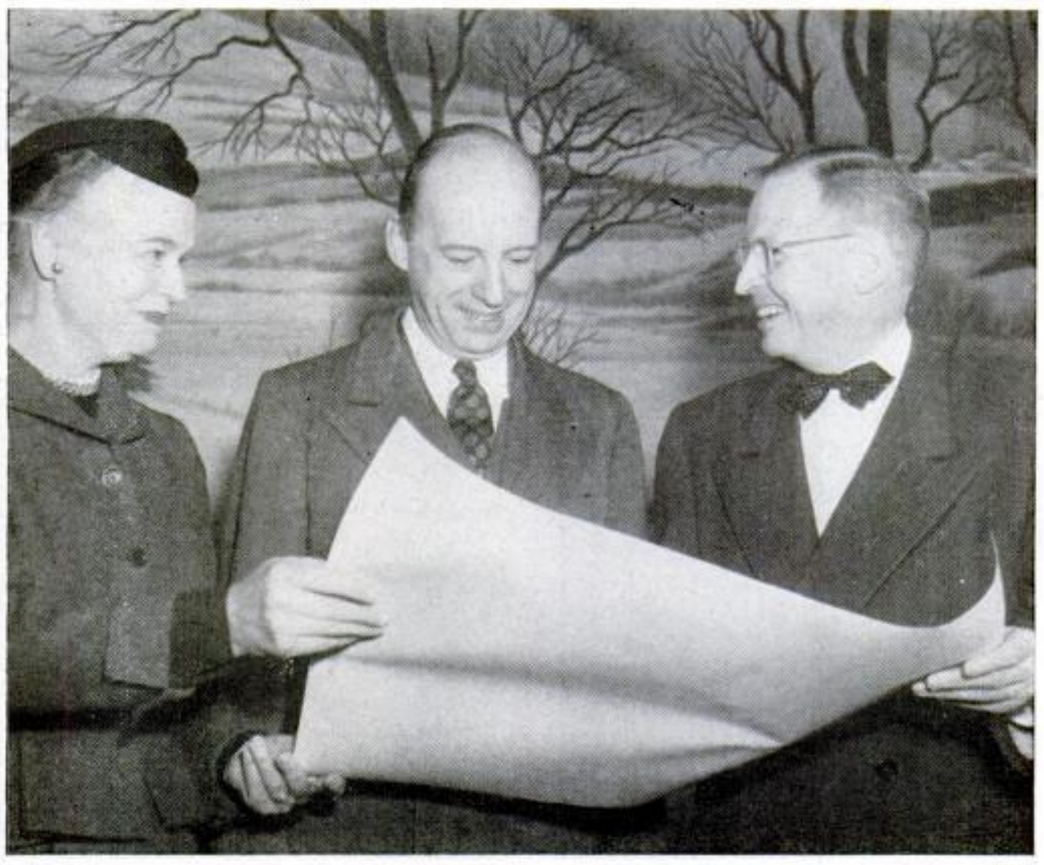
For information write
350 Fifth Avenue, N.Y. 1, N.Y.




**STUDENTS' GIFT,** movie projector (*on floor*) which was presented to him at the final assembly, made Brownell say, "You didn't have to do this to make me remember you."



**HIS PAPERS** are stuffed in the president's case where, he says, "I carry my office." In his new post Brownell will work in the Health, Education and Welfare Department.



**BOSS AND BROTHER,** Secretary Oveta Culp Hobby and Attorney General Brownell (*center*), hold commissioner's commission after swearing-in.


My, I'm glad someone thought of giving me an Aristo-mat for Christmas!



Guaranteed by Good Housekeeping

GIVE HER THE MOST BEAUTIFUL PROTECTION HER STOVE TOP CAN GET! ARISTO-MATS, THE ALL-PURPOSE STOVE, UTILITY AND WALL-PROTECTOR MATS.

Aristo-mats of heavy gauge steel will protect every stove top and other fine surface from nicks, chips, food stains, scratches or sharp blows! Provide extra work space, too! Heat-resistant, with asbestos-cushion backing. Patented, safety Kant-Kut-Korners have slots that permit easy installation as wall protectors too . . . to protect the splatter area back-of-the-stove. Choice of sparkling stainless steel, gleaming chrome or richly varied homemaker designs. Keep her new stove looking beautiful, or add a touch of beauty to her old one! Sizes to fit any range. Wherever housewares are sold.

PHOENIX TABLE MAT COMPANY
Chicago 49, Illinois



FOR THE HOLIDAYS HAVE YOUR RUGS CLEANED

NIRC NATIONAL INSTITUTE OF RUG CLEANING, INC.



A·1 SAUCE

Gives savor to STEW!

Ask for A.1. when dining out, too!






high-fidelity PORTABLE AUTOMATIC 3-SPEED PHONOGRAPH



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A magnificent, ready-to-play, high-fidelity unit. Reproduces the entire musical range captured on your finest recordings—every subtle overtone, every delicate musical shading, every exciting crescendo. See it, hear it, for an ecstatic musical thrill. $99.95*

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Steelman Phonograph & Radio Co., Inc.,
Mt. Vernon, N.Y.

America's largest makers of HI-FI electronic phonographs.

*slightly higher in South and West




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*For the gifts you'll give with pride, let your jeweler be your guide*

# Which is more fun—giving or getting?

To see that split second of pure joy on the face of someone you love is wonderful. To be on the receiving end is wonderful, too. Especially when it's a really fine jeweled-lever Swiss watch—who doesn't want one? And for intrinsic beauty, lasting accuracy and incomparable value, your best counselor is your jeweler.

*The Watchmakers of Switzerland*



ONLY YOUR JEWELER CAN HELP YOU CHOOSE A REALLY FINE SWISS WATCH

SWISS FEDERATION WATCH MANUFACTURERS

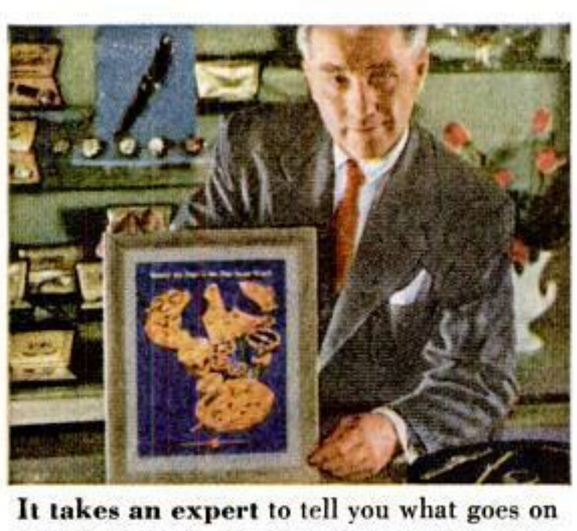
TIME IS THE ART OF THE

Swiss

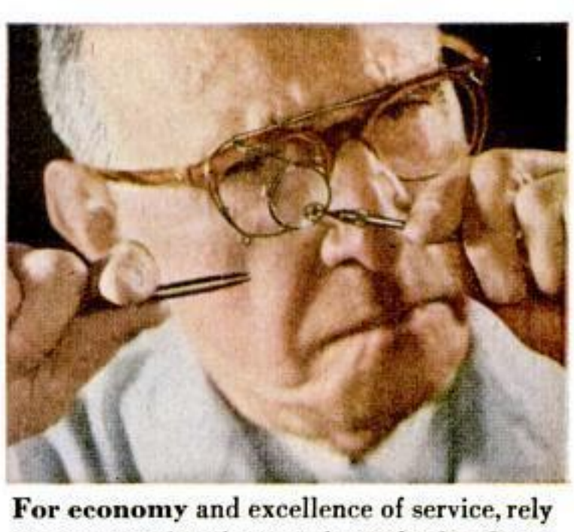
© 1953 Swiss Federation of Watch Manufacturers



**To find the perfect watch** for *anybody*, you need the guidance of a *specialist*. Your jeweler can point out the differences that set apart the finest of Swiss watches — and set the standards of the world.



**It takes an expert** to tell you what goes on *inside* a watch. Let your jeweler show you what 300 years of Swiss skill can mean in timekeeping excellence—and what this inner perfection can mean in outer beauty.



**For economy** and excellence of service, rely on your jeweler *always* to keep the fine Swiss watch he sells you in accurate running order. And notice the watch *he* wears—you'll find most jewelers wear fine Swiss watches!

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# This Christmas Double




## FOR HER



*Sapphire*




### Two smart gifts in one

Thrill her twice—with the newest, brightest twin gifts of the season. Waterman's Sapphire, the world's finest pen with a jewel* for a point. And a busy gal's purse secretary, in one of 8 bewitching colors, including the latest fashion-rage pastels (lower left). Two gifts to grace her handbag from Christmas morning on, both for the price of the pen alone **$6.00** *(tax incl.)*

**Synthesized*






### Two smart gifts in one

**Twice the pleasure for her, twice the kisses for you! Waterman's fetchingly slim Lady Corinth matched pen and pencil . . . in a breath-takingly smart mirrored evening bag. Choice of 3 new colors in the pen sets, 6 high-fashion fabrics in the boxes. Both for $15.95**



### Two smart gifts in one

**Which will thrill her most? The exquisitely dainty Lady Corinth pen? Or the stunning purse secretary, the newest and neatest feminine accessory? She'll love them both — and you twice as much! Choice of 3 colors in the pen; 8 colors in the secretary. Both for $10.00**
*(plus 16¢ F. E. Tax)*




### Two smart gifts in one

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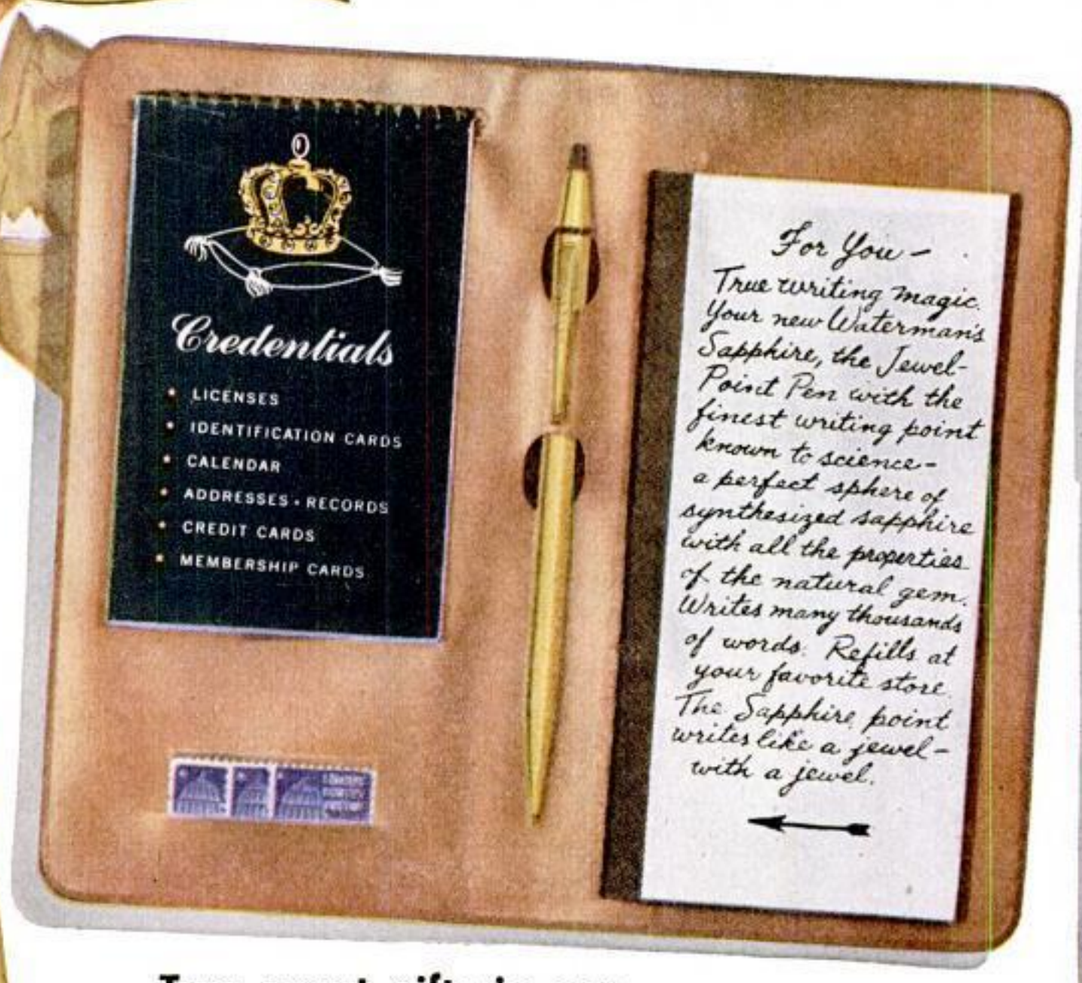
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SEE WATERMAN'S 2 SMART GIFTS IN 1 AT FINE STORES EVERYWHERE. IF YOUR DEALER CAN'T SUPPLY YOU, ORDER FROM WATERMAN PEN CO., INC., SEYMOUR, CONNECTICUT.

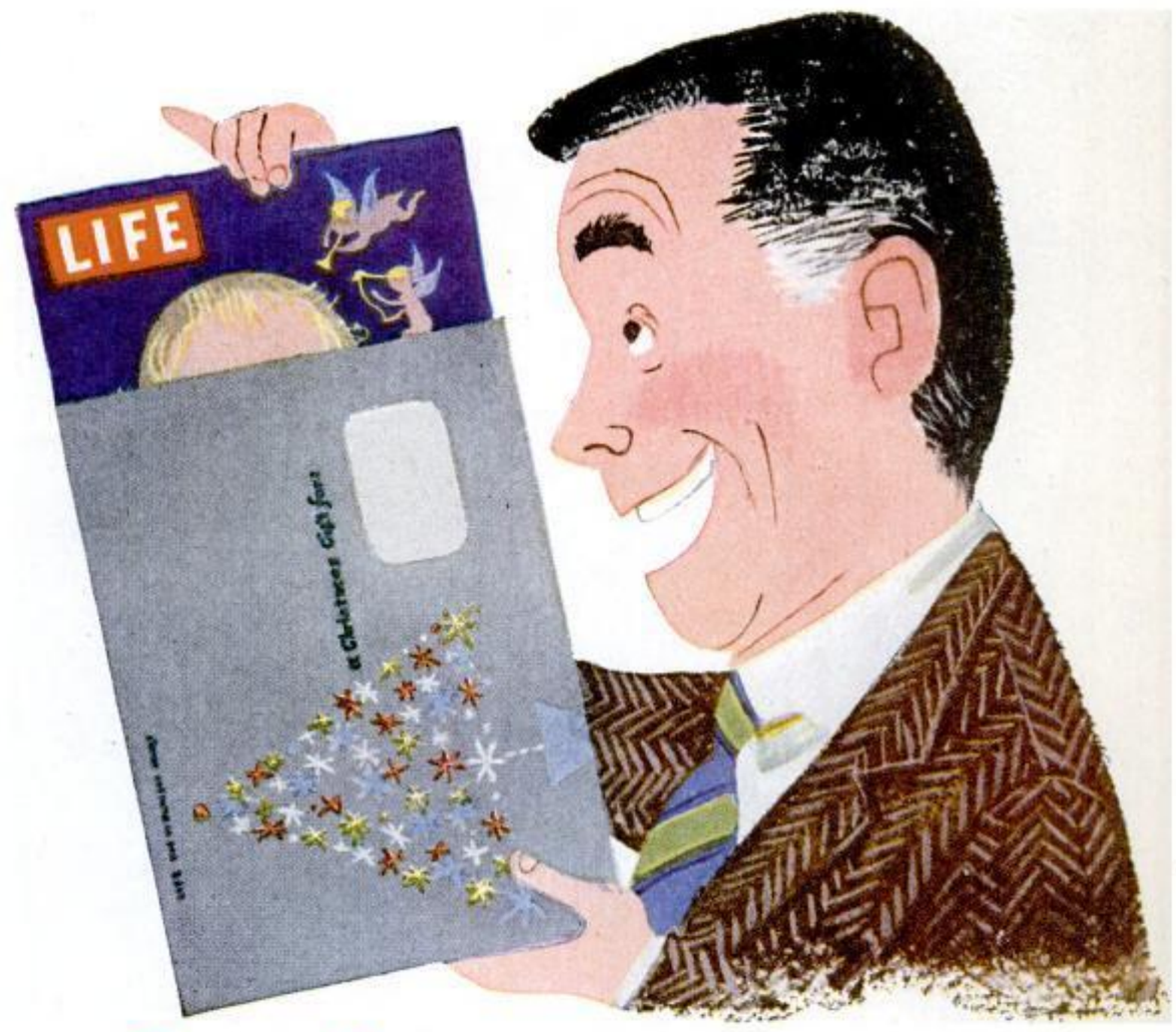
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**PRODUCER NOYES** and wife read encouraging reviews of *Take a Giant Step* at party after opening.

# So You Want To Be a Producer

## TEAM LOSES $150,000 BUT WILL TRY AGAIN

Being a Broadway producer has more duties than delights and more risks than rewards. This season two intelligent beginners learned about it the hard way by producing two new plays within four weeks.

The idea started with Lyn Austin (Vassar '44), who had directed off-Broadway shows. For $1,500 she commissioned Nathaniel Benchley to adapt some of his short stories into a play, later called *The Frogs of Spring*. Lyn, who had some money of her own, felt she needed a partner with business sense. Her lawyer suggested Thomas Noyes (Yale '45), who had also worked in the theater. The new firm of Austin and Noyes came upon a second play, *Take a Giant Step*, and, full of hope, decided to produce it too. By sending or reading their plays to hundreds of potential backers, they raised $140,000 and began hiring directors, scene designers, actors. Next came rehearsals, out-of-town tryouts, and opening night anguish. How they lost $150,000 is told on the next pages.



**PRODUCER AUSTIN,** with no time to pack, runs for Philadelphia train to see *Giant Step*'s tryout.

CONTINUED ON NEXT PAGE 

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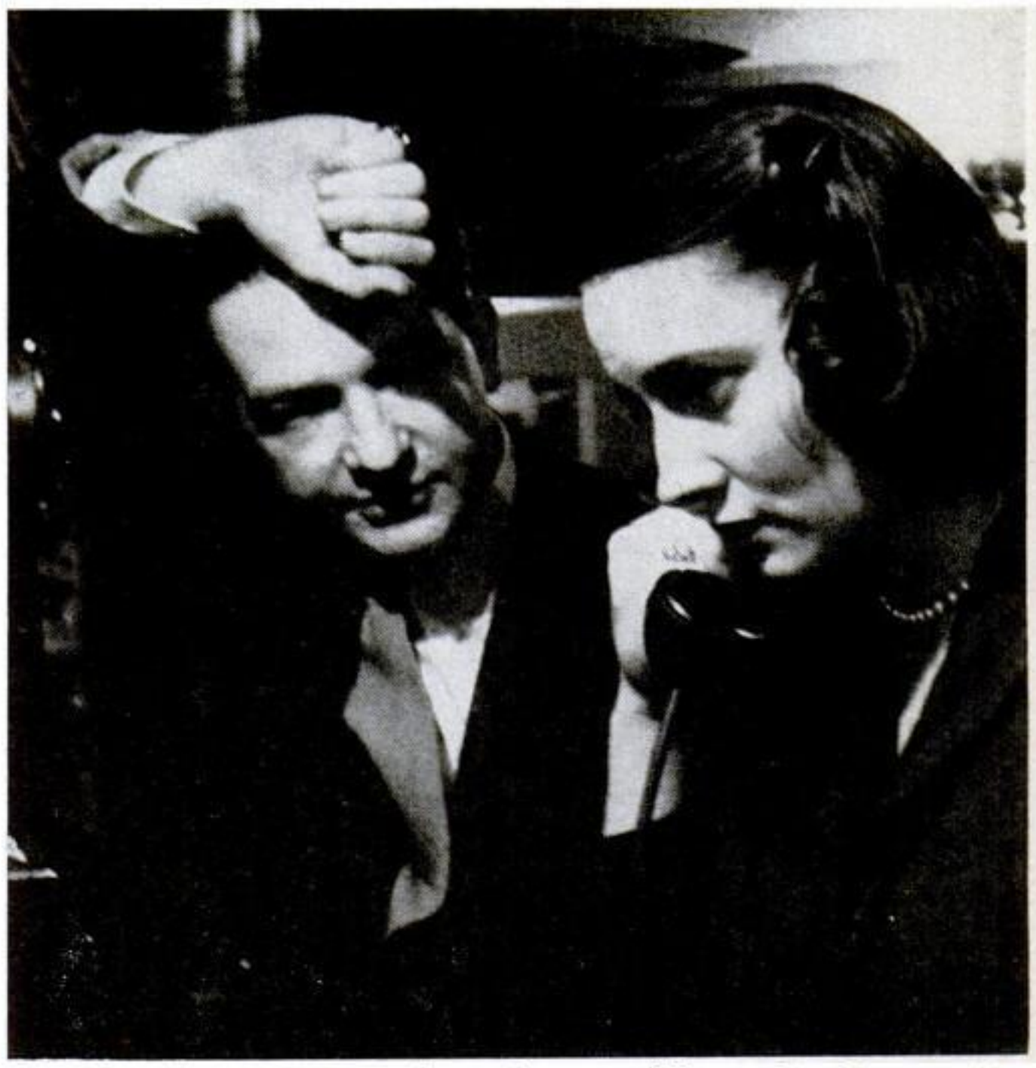




**BACKYARD TROUBLES** beset Charlie (Hiram Sherman) and wife in *Frogs of Spring* when their son has to be dried off after falling in a swimming tank.

# GAY COMEDY FALLS FLAT

To raise the money ($65,000) for *The Frogs of Spring*, Austin and Noyes approached many well-known theater angels. They got it in 50 clumps, ranging from $325 to $19,608. The play, written by Nathaniel Benchley, son of the famous humorist, was regarded as a sound commercial investment. It was a simple, one-set comedy, dealing with the backyard problems of two New York families, and was very successful at its summer tryouts. To everybody's surprise, when *The Frogs* opened in Boston it was panned. For a few black days the team wanted to cancel the New York opening, finally decided to risk it. But Broadway also found fault with the play for lacking substance, and it closed after 15 performances. Benchley was unanimously praised for his comic touch, however, and a TV series is planned utilizing his characters and backyard setting. Both the producers, and all the backers, will share 40% of the author's TV royalties, which may be considerable.



**BACKSTAGE TROUBLES** beset Austin and Noyes after Boston critics blasted *Frogs*. Lyn is calling José Ferrer to be a play doctor. He was too busy.

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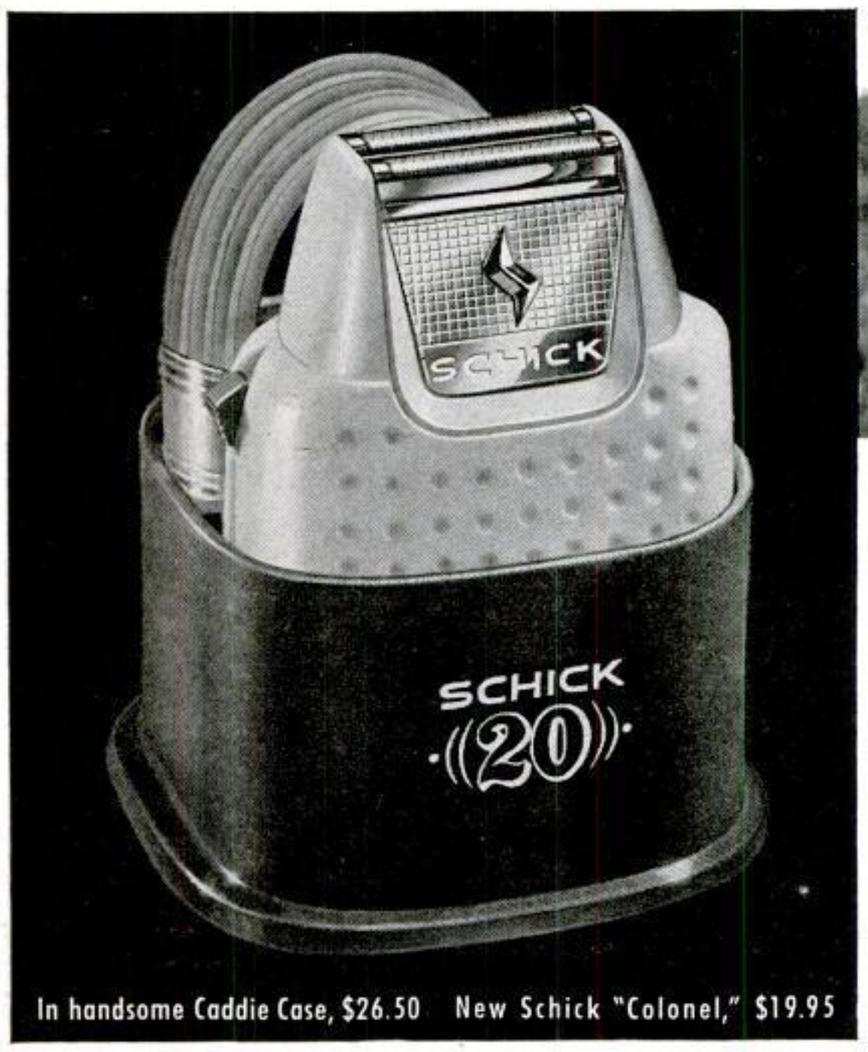


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# "Face, I apologize!

## I can get Close electric shaves with the RIGHT shaver!"






In handsome Caddie Case, $26.50  New Schick "Colonel," $19.95

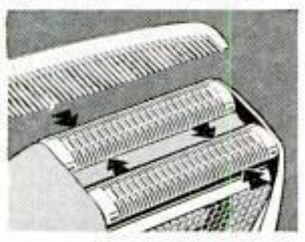
# Schick "20"

***— better-built for closer shaves***

"FACE, I'm sorry! For years, I've scraped you. I've nicked you. I've lathered you. I thought it was the only way I could get close shaves. But then came that great day—great for you *and* me—when I found the *easy* way to get close shaves. When I discovered all I needed was the *right* electric shaver—the Schick '20'!"

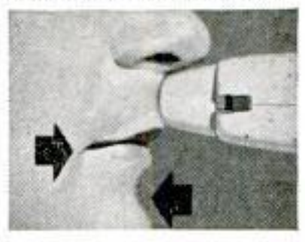
*It's true.* No matter how soft or stiff your whiskers—you can get *close* shaves with the snap of an electric switch—if you get the Schick "20"—the only electric shaver with all 3 of the features you need to get close shaves...

**THE RIGHT EDGES**



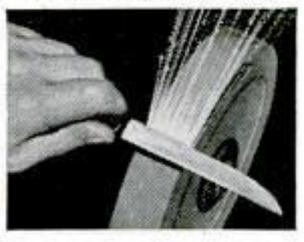
***Bevelled Comb Edges.*** Lift whiskers like a comb, lead them in for a close shave.

**THE RIGHT HEADS**



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**SELF-SHARPENING**



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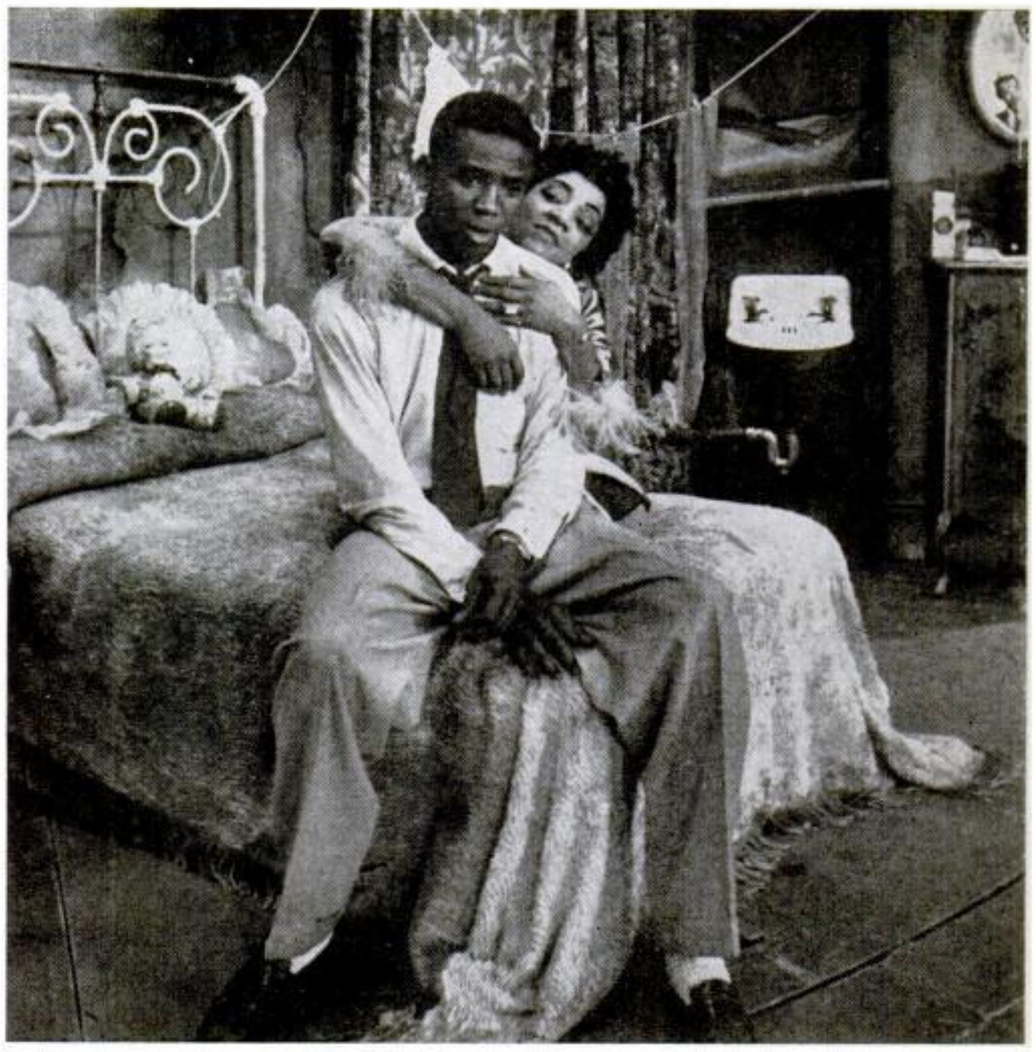


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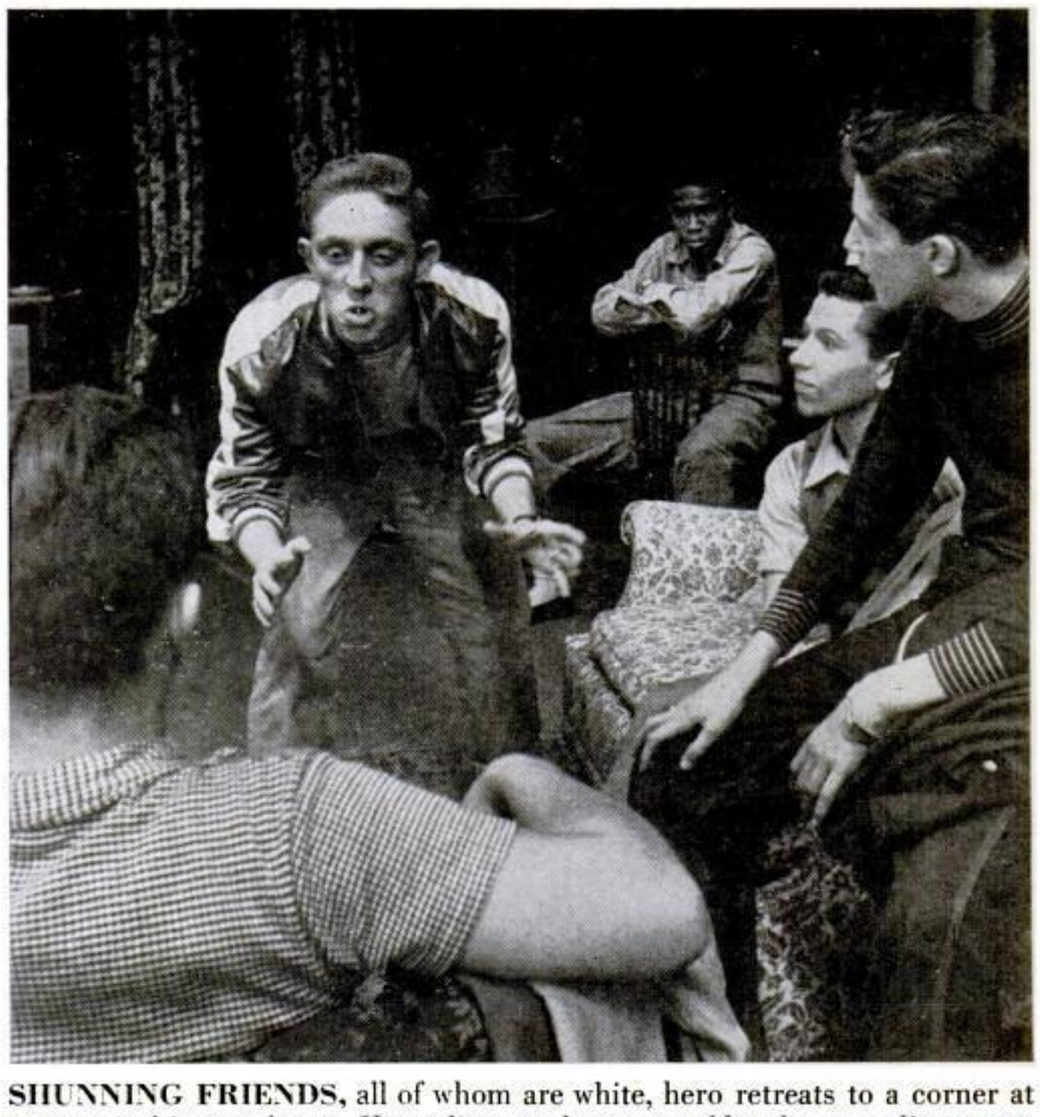


**SEEKING FRIENDSHIP,** the adolescent hero (Louis Gossett) of *Take a Giant Step* pays a visit to a sympathetic but soon disappointed prostitute.

# NEGRO PLAY ALMOST WINS

*Take a Giant Step*, by a Negro author, Louis Peterson, deals with the growing pains of a Negro boy who realizes he must give up the white friends of his happy childhood. To back it, Austin and Noyes rounded up 70 people who contributed $75,000. While launching *Giant Step* life became doubly complicated because they had to hurry into production on *Frogs of Spring* in order to fit the director's schedule.

When *Giant Step* opened on Broadway, critics had praise for the writing, acting and direction. But the play received no rave reviews, and with no stars to draw the public, box-office receipts seldom met the $14,000 weekly running costs. The show is now scheduled to close after 77 performances. But for all their woes Austin and Noyes have won respect on Broadway and also have had the satisfaction of turning up two gifted new dramatists. *Giant Step* will be given abroad, and the producers have first call on Benchley's and Peterson's next plays.



**SHUNNING FRIENDS,** all of whom are white, hero retreats to a corner at a party in his own home. He realizes, as he grows older, he must live apart.

CONTINUED ON PAGE 162



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**WHAT PRICE GLAMOUR?** Far less than you'd think for so fine a knife, so famous a name. 77 handsome sets to choose from, and prices start at $6.50. *Left:* 4 Steak Knives, $13.50; 6 Fruit and Cheese Knives, $24.00. *Right:* 6 Steak Knives, $19.50; Carver & Fork, $19.50; Carver, Slicer & Fork, $34.00. (Furs and accessories shown above by Gunther Jaeckel.)

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EMILY POST

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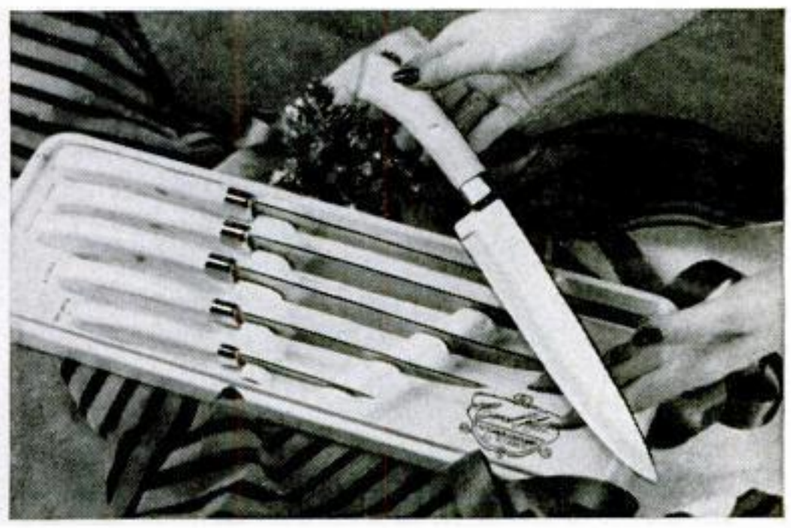
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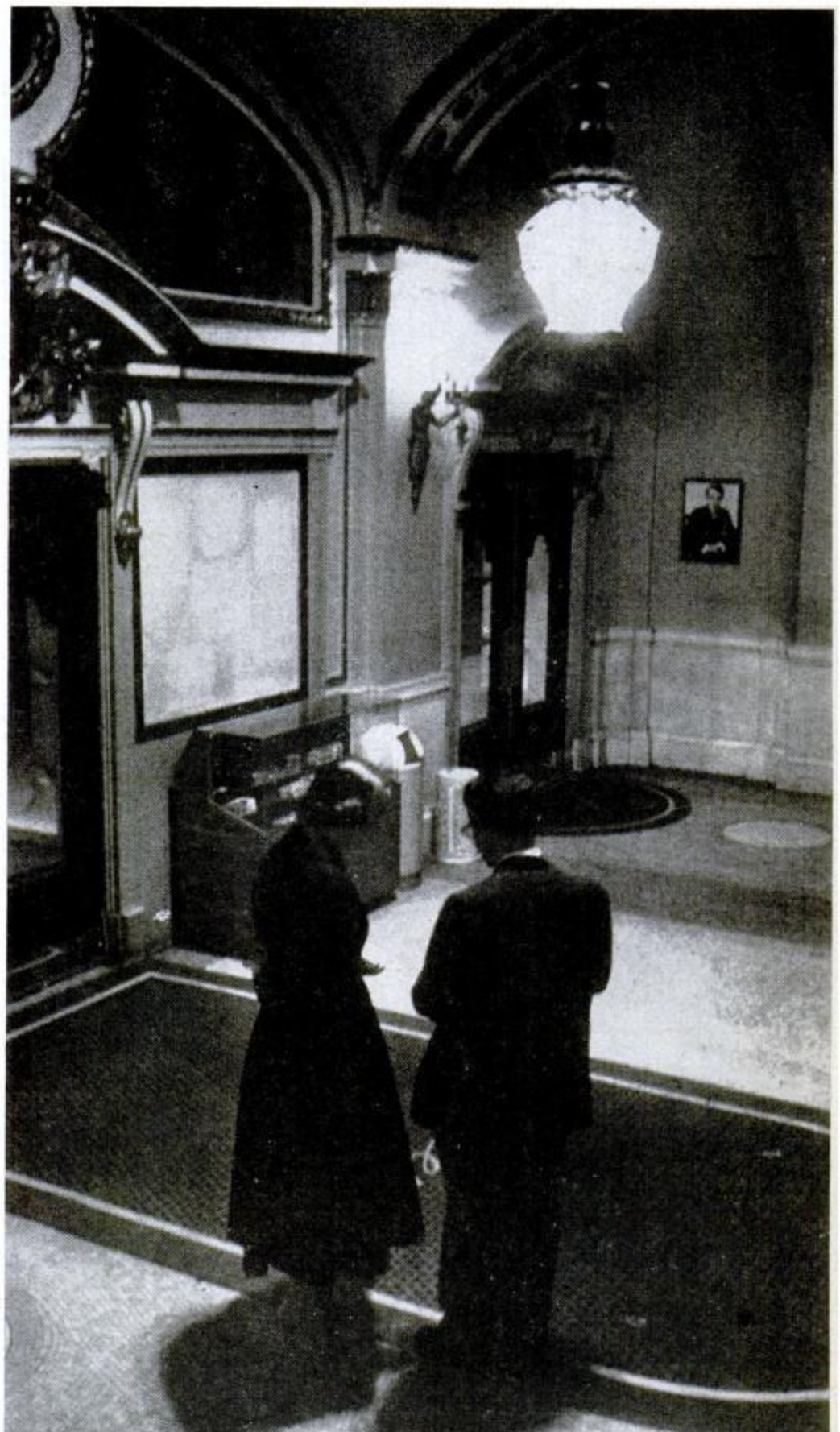





# AND THEY ASK FOR MORE



**ENDLESS CONFERRING** is part of producer's job. Here on Miss Austin's terrace Designer Boris Aronson (*left*) shows a model of his set for *Frogs* to (*left to right*) Tom Noyes, Robert Sagalyn, Director Burgess Meredith, Lyn Austin, and Author Benchley. Cost of this backyard set was $11,750.



**ENDLESS WAITING** for audience reaction and newspaper reviews is also part of the producer's lot. On opening night of *Take a Giant Step* Lyn, too nervous to watch play, waits miserably in the theater lobby with Director John Stix, straining to hear the crucial sound of laughter or applause.

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# And what of Love?

There are girls' hearts and boys' hearts, speaking to each other daily above the trials and insecurity of our small universe. In the light of her engagement diamond, a girl's eyes keep a constant vigil . . . seeing recorded not only the loveliness of love but the hope of a future tender and rewarding, when growing trust and abiding peace will give their world rich meaning.

*Your engagement diamond need not be costly, or of many carats, but because it will be cherished for generations it should be chosen with care.*

*Remember that color, cutting and clarity, as well as carat weight, contribute to a diamond's beauty and value. A trusted jeweler will*

*help you find a stone of fitting size and quality and style for what you wish to spend. Divided payments can usually be arranged.*



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Girl in Love . . . painted for the De Beers Collection by Salvador Dali

In July, 1953, jewelers throughout the country were asked for the prices of their top-grade engagement diamonds (unmounted) in the weights indicated. The result is a range of prices, varying according to the qualities offered. Exceptionally fine stones are higher priced. Add Federal Tax. Exact weights shown are infrequent.

**a Diamond is forever**

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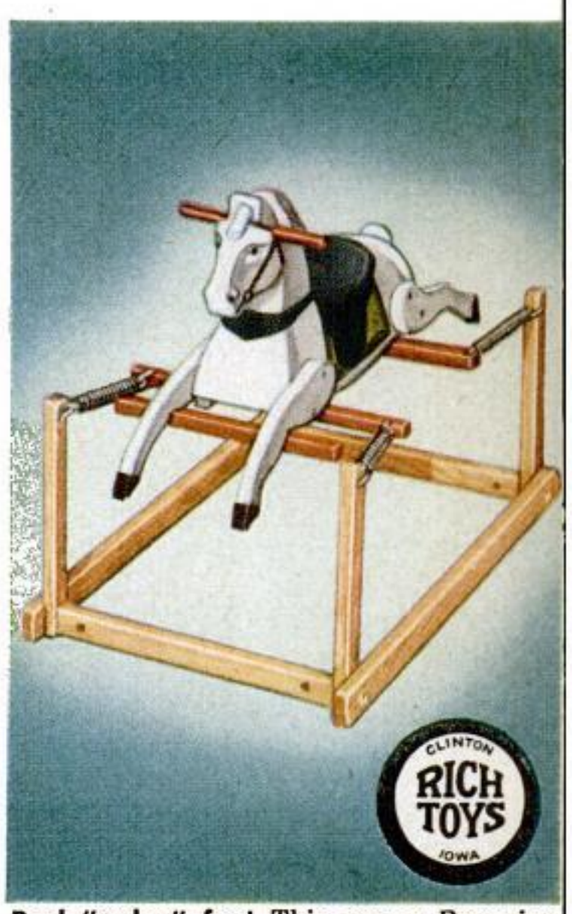

**The bike of today** . . . with the design of tomorrow! All-new "X-53 Super" Western Flyer is the sleek, jet-styled speedster he's "dreamed for." Electronic welded frame. Knee-action front fork. Car-type coaster brake. "Twin-Fin" headlamp. Fingertip button horn. Bow-type pedals. 1 year guarantee. Chrome initials included (see inset above). Boys', Girls' (2F2196-7) ..... **$72.45**




**Early frontier action** comes to life with these authentic-styled replicas of famous guns used by buffalo hunters and Indian fighters. Repeating and single shot cap models with finely detailed chasing, bright metal barrels that smoke when fired!
Flintlock Dueling Pistol (E1604) ..... **98c**
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**Play doctor and nurse.** Realistic miniature medical instruments provide hours of exciting, wholesome fun. Kits include: stethoscope that actually picks up heartbeats, X-Ray machine, thermometer, hypo with plunger, candy pills, bottles, etc. Complete with uniforms, authentic-style satchels!
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Little Play Nurse Kit (E2404) ..... **$2.95**




**Real "rodeo" fun!** This peppy Bouncing Spring Horse offers action aplenty for the young cowboy. Horse suspended on four springs for safe, realistic riding. Molded tenite body and head. Strong natural finish oak foot rest and base. Helps your child develop balance, coordination, confidence!
22½" Bouncing Spring Horse (E2502) ..... **$9.95**
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## Just a Few of the Hundreds of Christmas Values

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**"Home" court practice** with his own basketball set provides exciting action, valuable training for the young hoopster. Double reinforced, welded steel goal and laminated rubber basketball are both regulation size. Strong heavy twine net.
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**Rocky Marciano championship** boxing gloves have all the famous Benlee features of quality—complete with Rocky's own autograph! Genuine sheepskin, dyed a deep wine and stuffed with special hair padding. "Fist Form" shaped thumbs for extra safety, comfort. Wide white lacings.
Age to 7 yrs. Set of 4 (E4693) ..... **$4.95**
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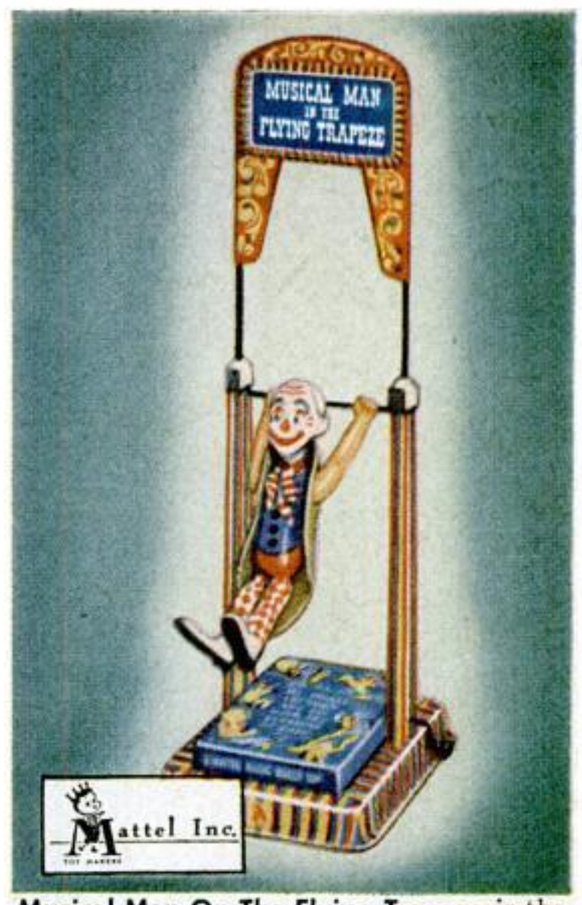

**Streamlined freight express** promises miles of fun for the young engineer. All-metal set includes sleek, modern engine with ringing bell and electric headlight. Tender with imitation coal. Sand car. Caboose. Automatic start and stop attachment. 4 straight, plus 8 curved track sections. Powered by long-running, tempered steel spring clock motor. (E1201) ..... **$3.49**




**"Little mothers" love** this lifelike doll's big fluttering eyes and soft coo voice. Latex body, soft vinyl head. Beautifully styled long Saran wig is rooted to simulate natural growing hair — can wash or curl. Taffeta skirt with gold belt; metallic thread blouse; half slip; shoes, stockings.
16″ Doll (E2958) ..... **$7.95**
21″ Doll (E2959) ..... **$9.95**




**Perfect play pal.** Handsome, full-size 35″ x 17″ Western Flyer Wagon is stamped from heavy gauge steel for rugged use. Big 10″ artillery type wheels with nylon bearings have 1¾″ puncture proof semi-pneumatic tires. "Fifth wheel" tongue mounting allows full-radius, easier steering. Bright red enameled finish with white and aluminum trim. (3F1348) ..... **$9.95**




**Musical Man On The Flying Trapeze** is the greatest little acrobat on earth. Just like in the circus, he whirls, twirls and loops around the bar — all to the tune of "The Daring Young Man . . ." Little clown performer and trapeze made of brightly lithographed metal. Operates with simple hand crank. Full 21″ high. A riot of fun for youngsters age 4 to 9. (E2713) ..... **$2.49**

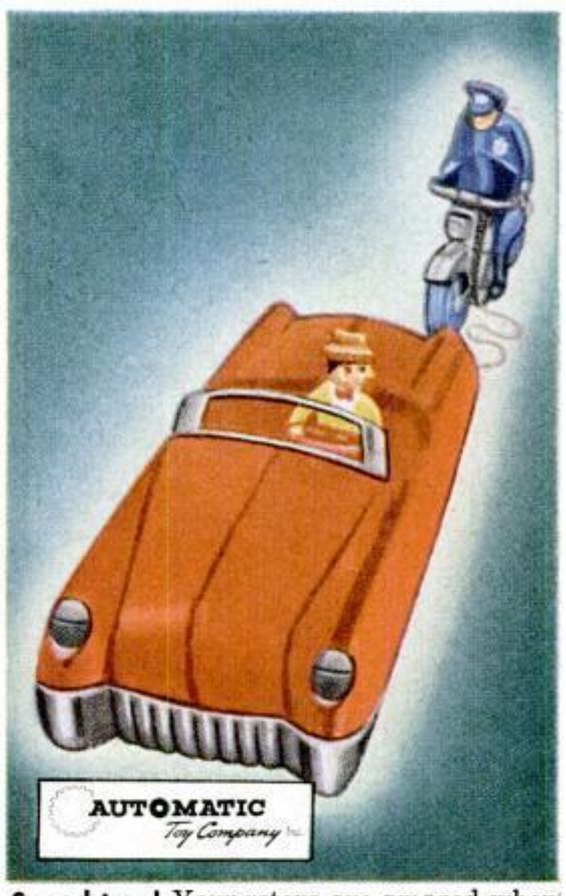
# Famous Gifts - At Western Auto!

STORES AND ASSOCIATE STORES

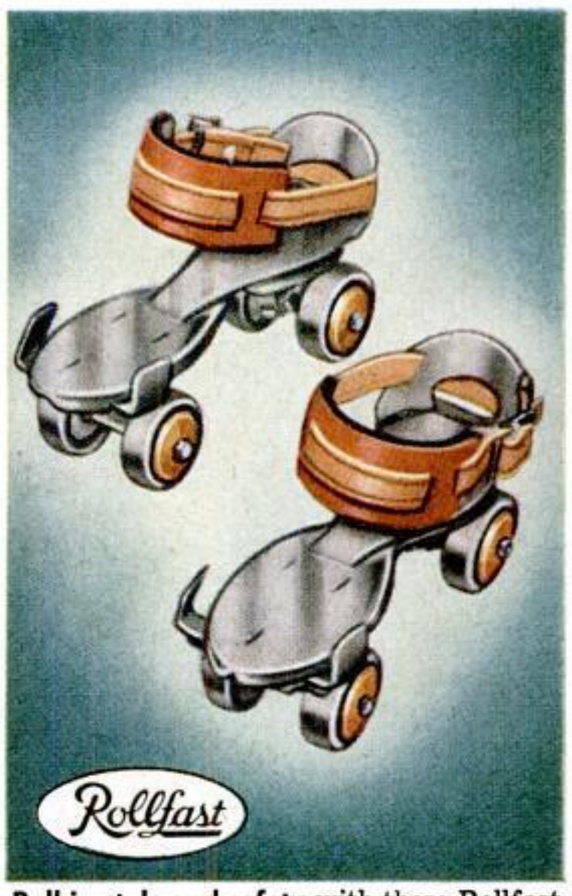
Western Auto Has for the Entire Family.




**Dolly gets a "royal" ride** in this stately Brougham style carriage . . . a heart-throb to millions of little girls everywhere! Duchess link-action for smooth-riding suspension. Sturdily made of aluminum and ½″ steel tubing. Gray leatherette with white piping gives luxury look. Quilted sides. Rubber wheels, foot brake. Collapsible. 29″ high, 12″ wide. (E3017) ..... **$11.95**




**Speed trap!** Youngsters are amazed when they wind this unit up and the speeding motorist in his flashy car is pursued and stopped by the cop on motorcycle with siren blaring! Pieces designed in clever detail, sturdily made. New type wind-up motor needs no key. Unit 12½″ long extended. Complete with Jr. Safety Officer certificate, rules, summons! (E1915) ..... **$2.95**




**Roll in style and safety** with these Rollfast "Made to Last" Roller Skates. Heavy steel chassis mounted on rubber shock absorbers for smooth, free skating action. Ball-bearing steel wheels have long-life double tread. Leather cross strap with felt-back sponge rubber instep pads. Toe clamp. Wide extension—skates adjust from 7½″ to 11″. Key included. (3E1110) ..... **$3.98**




**Saucy Walker and Toni Dolls.** Lead li'l Saucy by the hand and she actually walks backwards or forward, turning her head from side to side! No winding needed. Durable plastic body. Saran wig. Toni Doll's nylon wig sets hundreds of ways. Wave set with shampoo, curlers, solution.
22″ Saucy Walker Doll (E2952) ..... **$15.95**
16″ Toni Doll (E2951) ..... **$13.95**

## STORES AND ASSOCIATE STORES FROM CANADA TO THE GULF:

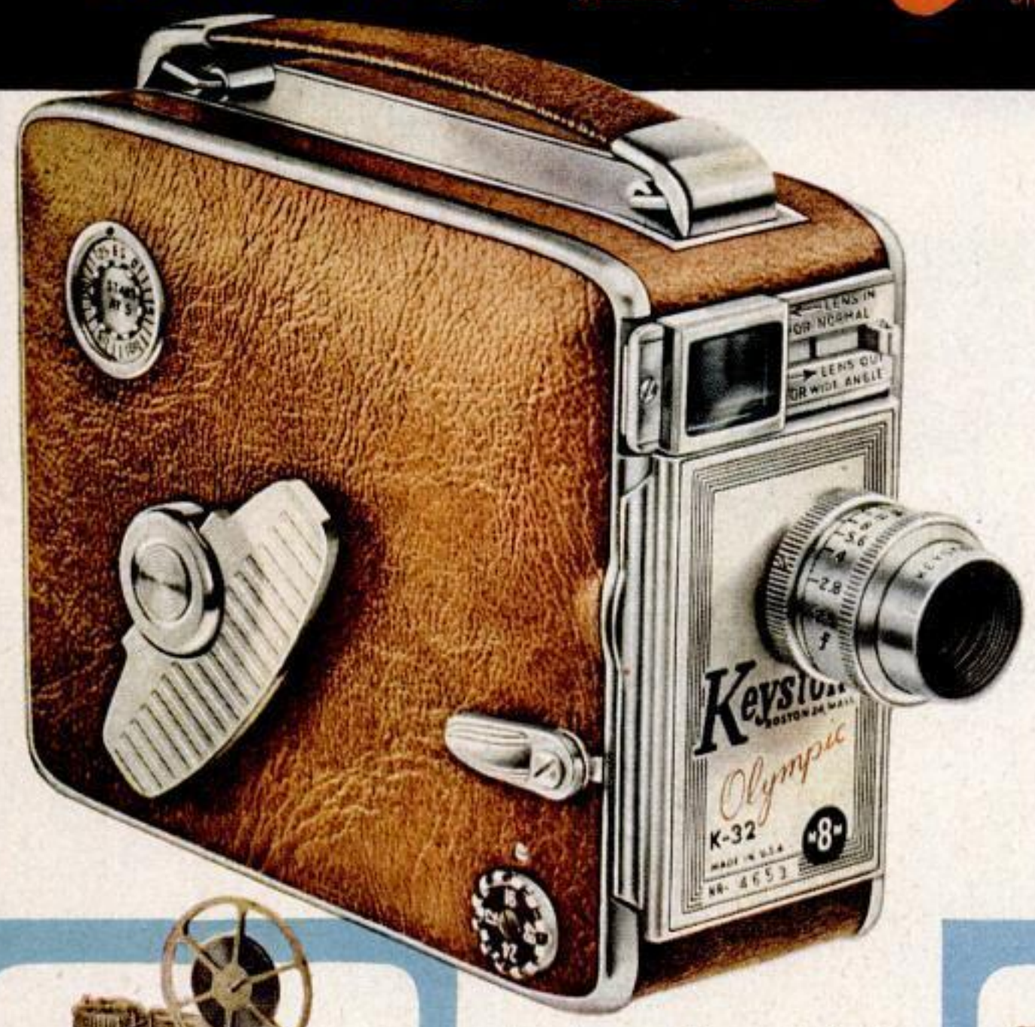
NOTE: Western Auto Associate Dealers own their stores and set their own prices, terms and conditions. Prices may vary due to differences in local conditions. If you do not know the location of your nearest Western Auto Store, write Western Auto Supply Co., 2107 Grand, Kansas City, Missouri. (L113)

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# compare and it's Keystone for Movie Making

SINCE 1919




So **fashion-smart** to the eye!
So **compact** and nicely balanced in the hand!
So **easy to use** . . . such smoothly-operating precision . . . one quick trial proves it!
So **dependable** it lasts a lifetime . . . over 500,000 happy movie makers know!
So **value-packed** there's really no comparison!
No wonder those who know movies best agree that Keystone is America's leader in movie-making equipment.
See your camera dealer and you, too, will say "I want a **Keystone** Movie Camera and Projector for Christmas!"

William Bendix, starring in the RKO picture 'Rangers of the North' (color by Technicolor) and TV 'Life of Riley'.

Every Keystone product backed by famous Lifetime Guarantee.



Most complete projector! Keystone Regal 8mm 750-watt Projector with built-in splicer, other exclusive features, $159.50, case included. Other outstanding Keystone 8mm and 16mm models $79.90 to $169.50

New shape . . . flat, compact, handsome! Keystone Olympic 8mm Rollfilm Camera with exclusive easy-view MAGNAFINDER, f2.5 pre-focused, coated lens . . . in elegant scuffproof vinyl, chrome trim. $79.95. And for the extra convenience of magazine load, see the Keystone Bel Air 8mm Magazine f2.5 lens, only $89.50

For name of nearest dealer, call Western Union by number and ask for Operator 25.

Keystone Camera Co., Inc.,
Boston 24, Mass.



The executive's camera . . . for professional effects at a value-packed price! Keystone Mayfair 16mm Turret Magazine Camera, with f1.9 coated focusing lens, 75mm f2.9 telephoto lens, and case, $275.00



A Christmas preview! The all-new, exciting 1954 Keystone Capri 8mm Rollfilm Camera with f2.8 coated lens at $59.50. For the new movie-maker. May be ordered now for early '54 delivery.



Hollywood versatility, rollfilm economy! Keystone Olympic Triple Turret 8mm Rollfilm Camera, f2.5 lens, $99.95, easy-load magazine-version, Keystone Riviera Turret 8mm f2.5 lens, $129.50

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FASHION

# AND NOW, FUR DRESSES

**Sheaths, shirts are made of broadtail, mink, seal**

In speedy retaliation against designers who early this year made dresses out of prints which looked like fur (LIFE, Feb. 16), the country's top furriers are now using real fur for sweaters, shirts and even dresses. Available in everything from mink to rehabilitated raccoon, these new styles make more of a point of being fashionable than useful. They are only incidentally concerned with keeping the wearer warm. There is a sheath dress in Russian broadtail (*right*) which can be turned around and worn as a coat, and there are fur pullovers (*p. 168*), an innovation which presents the wearer with wrestling problems in a restaurant. Designed for women who can easily afford an extra fur, these frothy-looking furs are made in simple styles which should turn out to be as lasting as the pelts themselves.



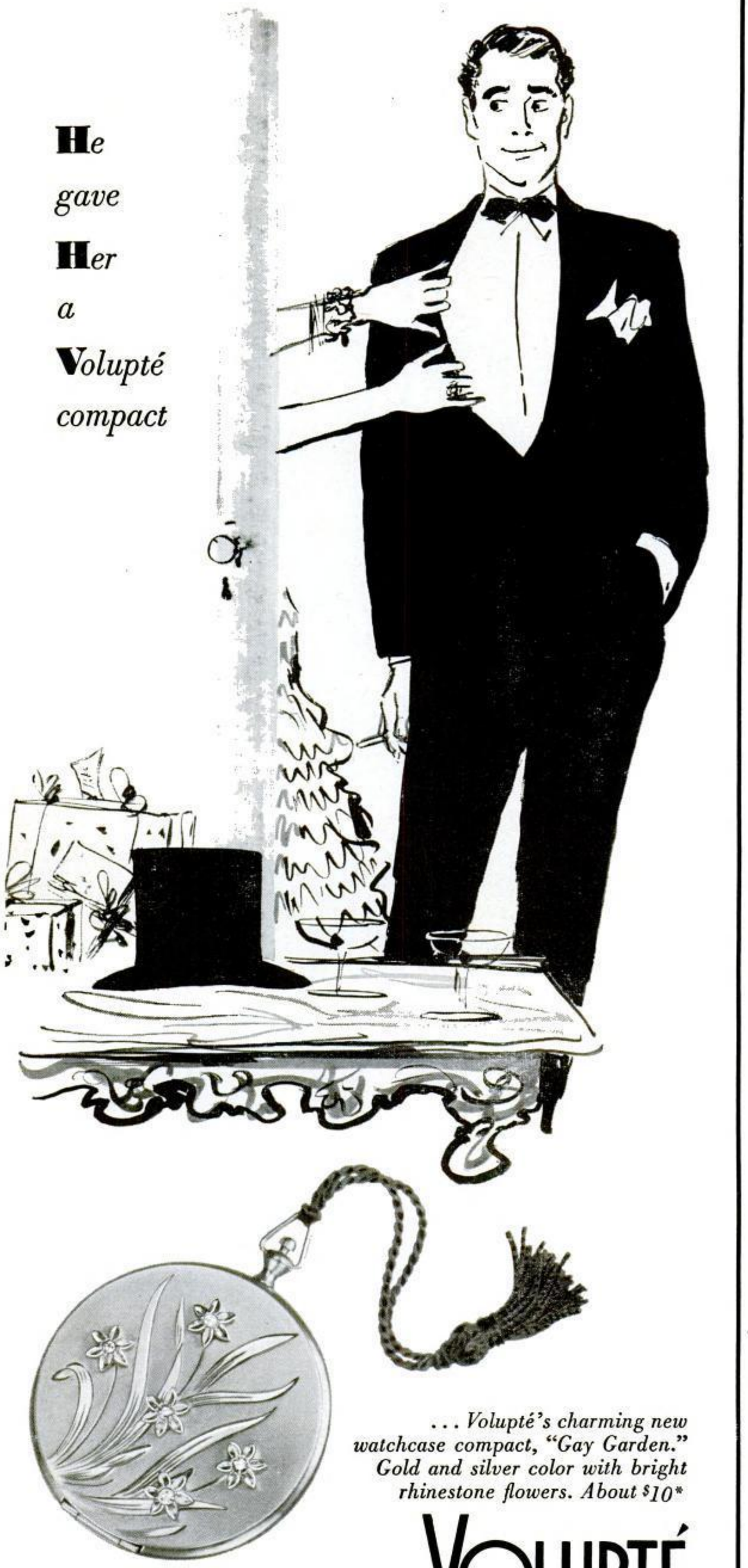
**BROADTAIL SHEATH** is worn as a dress (Esther Dorothy, $1,400) when buttoned in back, when turned around and buttoned down front, it can serve as evening coat. The fur is so light that dress can be worn comfortably indoors.

CONTINUED ON NEXT PAGE



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*He gave Her a Volupté compact*



*. . . Volupté's charming new watchcase compact, "Gay Garden." Gold and silver color with bright rhinestone flowers. About $10**

VOLUPTÉ

*Reflects the prettiest faces*

*Plus Fed Tax

COMPACTS • COSTUME JEWELRY • CIGARETTE CASES • CARRYALLS • LIGHTERS • PILLBOXES

*347 Fifth Avenue, New York 16, N. Y.*




## FUR DRESSES CONTINUED



**NUTRIA CARDIGAN** made of bleached fur has matching knitted cuffs and buttons in front like a sweater (Fredrica, $594), can be worn either in the city or in country.



**FUR PULLOVERS** come in natural ranch mink with knitted ribbing at neck, cuffs and waist ($2,100), and in raccoon ($420, both Revillon Frères), here worn belted.



**ALASKAN SEAL SHIRT** with curved yoke bordered in silk braid (Maximilian, $1,350) has concealed buttons in front. Sealskin is again one of the most fashionable furs.

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# More Power With Less Weight Makes $19.95* G-E Portable Ideal All-Purpose Household Mixer!

This lighter, handier, *yet more powerful* portable mixer is ideal for all household mixing tasks!

Two revolutionary General Electric innovations make this new mixer a real work saver for women everywhere.

*First*—G-E engineers developed a new motor that provides astonishing power for its weight and size.

*Second*—G-E designers have perfected a new casing—light as a feather, but strong as steel—into which the new motor is compactly fitted.

The result is a worksaving, timesaving boon to all who cook—an electric mixer, with adjustable speed control, that is *really* portable and can *really* handle even those tough mixing jobs.

Taking up next to no space in the kitchen, yet lifting a heavy load off the homemaker's hands, this new mixer is meeting with wide and immediate acceptance. Here is the gift that is truly just a little nicer, just a little different.

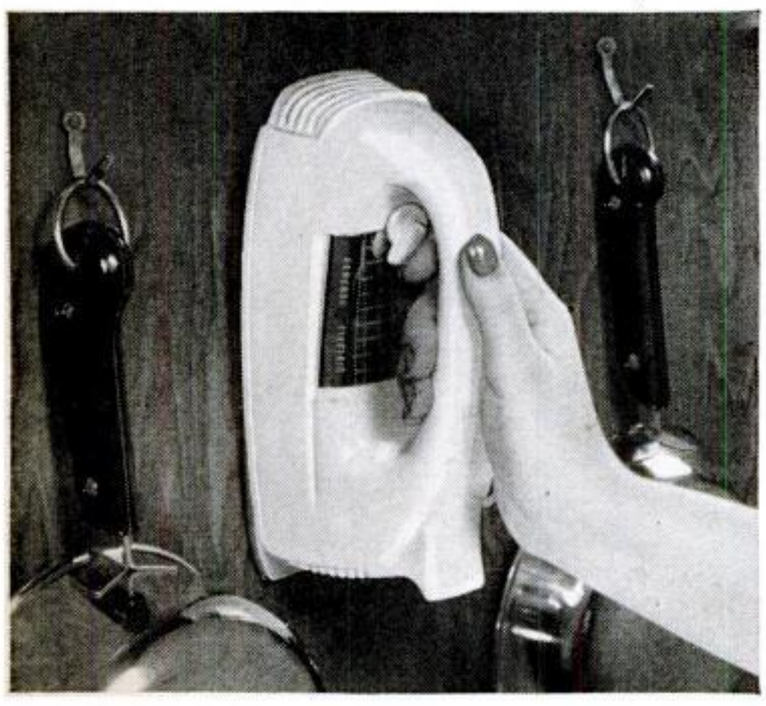
Your local G-E dealer will be glad to demonstrate one for you. Costs only $19.95.*

**Manufacturer's recommended retail or Fair Trade price:*

GENERAL ELECTRIC




**NO STRAIN TO HOLD.** A rubber base guard lets you rest mixer on bowl's edge while mixing. Thus the mixer's less-than-3-pound weight is supported by the bowl instead of by your hand, removing all arm strain.



**HANGS UP LIKE A SAUCEPAN.** Its handy keyhole slot lets you hang it up out of the way—but where it's always ready at hand for instant use when you want it!



**GOES WHERE THE FOOD IS.** Instead of having to lug the food to this new mixer, you can take *it* where the food is—use it to mix at the range while you cook.



**SETS DOWN LIKE A HAND IRON.** Mixer stands up on heel rest—so drippings fall back into the bowl. General Electric Co., Small Appliance Div., Bridgeport 2, Conn.



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**THE GARLANDED GUEST OF HONOR,** Beauty, turns head toward Joanne Spero, 4, and Linda Tomlinson (*right*), 5, who gave her a bale of hay. At left is Mrs. De Bell, who bought Beauty for $150 four years ago. No one knows about Beauty's lineage, but her owner fondly believes dam was a famous show horse.



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**CAKE BEARER,** Frankie Dechert, 10, holds out present to Beauty, who finished it in three gulps.



**WEEPING RIDER,** Linda Domenick, clings to braver friend, wails, "I didn't know she was so big."



**GARLAND GIVER,** Jeffrey Patterson, 5, tries to get up courage to hang gift around Beauty's neck.

# *Life Goes to a Party for a Horse*

## NORTH DENVER MARE IS SHOWERED WITH TOKENS OF CIVIC ESTEEM

The principal local attraction for children who live on Raleigh Street in North Denver is an amiable black mare with a white blaze on her forehead and an inevitable name: Beauty. For the past four years Beauty, who belongs to Mrs. Joseph De Bell, has graciously allowed Raleigh Streeters of all ages to feed her sugar lumps, pull her tail, ride on her bareback and watch her do tricks (*p. 172*). Almost every day after school she drags a crowd of kids around town in a buckboard. In return for all this Beauty customarily gets all the hay she can eat and a snug, one-car garage to sleep in—the De Bells' Dodge has to spend the night in the street.

This month Raleigh Street decided Beauty deserved some civic attention. One afternoon 50 youngsters showed up at Beauty's place for a surprise party, dragging a wagon full of useful presents: a pitchfork, 16 licorice sticks, a bale of hay with a white ribbon, four bunches of carrots and a garland of chrysanthemums. One girl even brought a cake—her mother thought it was for the children—and fed it to Beauty despite protests from friends, who wanted to eat it themselves. Everyone sang *The Old Gray Mare, She Ain't What She Used to Be*, but Beauty, who was only 6 this October, too busy trying to eat her garland, seemed to take no offense.

**HEADING DOWN RALEIGH STREET, BEAUTY JAUNTILY PULLS BUCKBOARD FULL OF FRIENDS AS OTHERS TAG ALONG TO BE SURE THEY GET ON THE NEXT RIDE**



CONTINUED ON NEXT PAGE

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only MONARCH gives you this surface oven that ...

Saves Stooping

Perfect for
Casserole Dishes
Pies and Cakes
Cookies
Baked Beans
Spare Ribs
Wild Game
Roasts
Vegetable Dinners
Baked Fish
Fowl



MODEL F158W

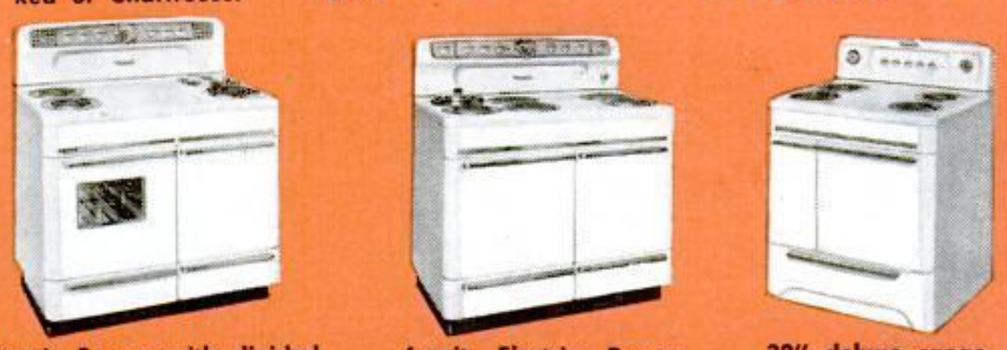


This ultra-beautiful Monarch Range has a patented roaster-size oven built flush into the cooking top large enough for a big turkey . . . . plus a large regular oven equipped with broiler.

The surface oven adds new joy to cooking! Just lift the cover and there's your food. No bending, no stooping. Handy for frequent basting to make meats extra juicy and tender. Whether you cook with *Electricity* or *Gas*, YOU can enjoy the exclusive conveniences of this Monarch 2-oven Roaster Range. See your Monarch dealer or write the Monarch Range Company, 9123 Lake Street, Beaver Dam, Wisconsin.

Model F158W available in White, Ivory, Red or Chartreuse.

the NEW FOUR for '54



Electric Range with divided top and 6-qt. Surface Oven.

6-unit Electric Range with 2 full-size ovens.

32" deluxe range for small kitchens.

Monarch

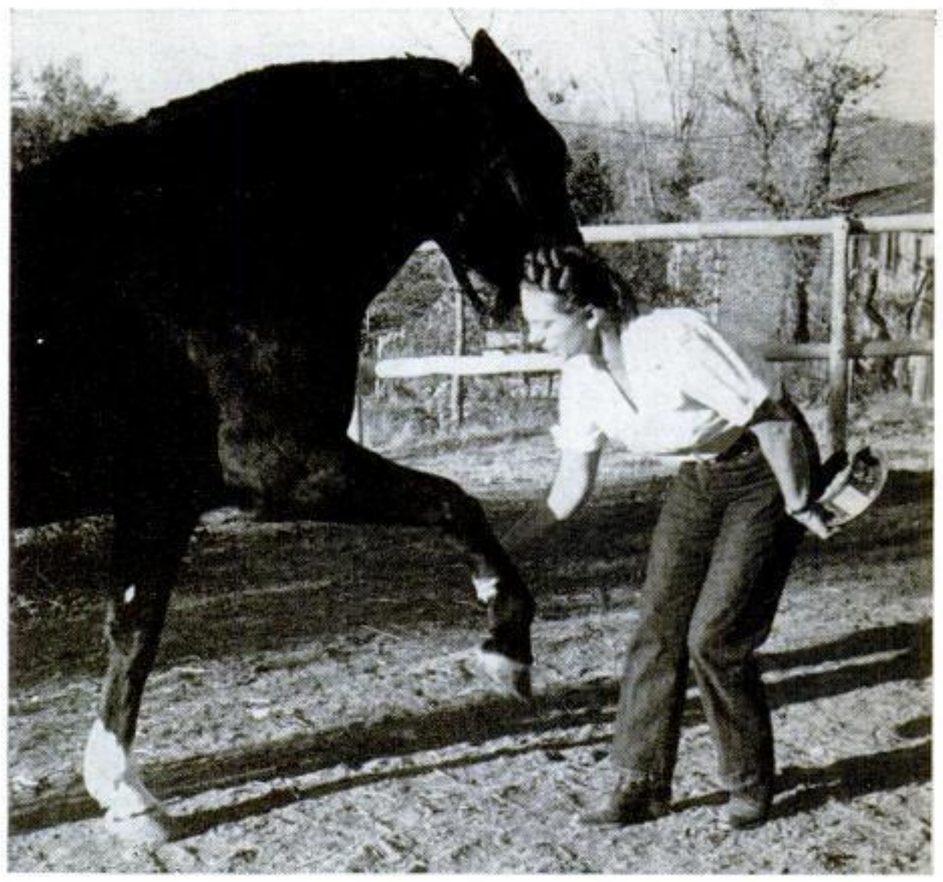
ELECTRIC–GAS–COAL-WOOD RANGES

*Choice of Good Cooks Since 1896*

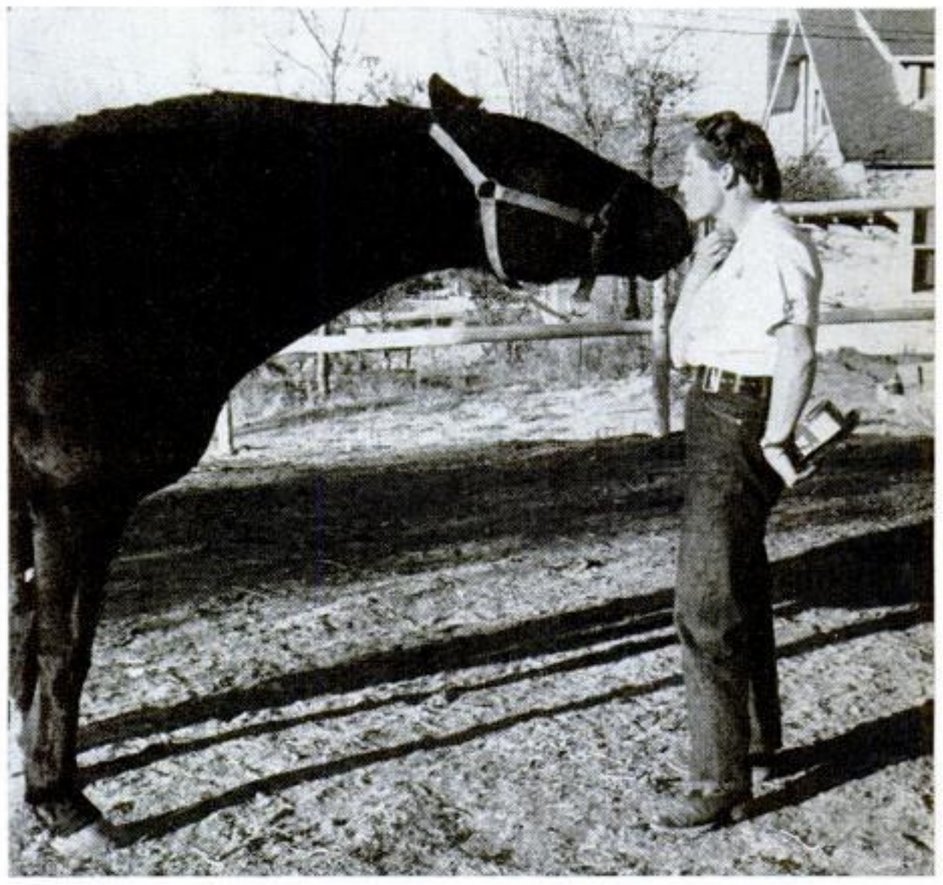





# BEAUTY SHOWS TRICKS



**SHAKING HANDS** was the first trick horse learned from Mrs. De Bell, who spends about four hours a week coaching Beauty.



**KISSING OWNER** usually earns Beauty extra oats. Teaching Beauty tricks, Mrs. De Bell does not use whip, just talks quietly.



**PICKING UP PIE PLATE,** newest trick, began when owner noticed Beauty gripping feed can with her teeth during meals.

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# AMERICA GREW UP WITH ITS RAILROADS...



**A CENTURY AGO,** little locomotives like this—brass-bound, diamond-stacked wood-burners capable of pulling only about a dozen small freight cars—did the essential hauling that pushed the American frontier ever Westward to create an empire out of the wilderness.




**TODAY'S POWERFUL LOCOMOTIVES**—using all the other improvements that have been made in railroading—turn out many times as much transportation service as the old-timers—to meet the tremendous demands of America's growth.

# ...AND THE BEST IS YET TO COME!

The railroads in this country grew fast — opening the resources of the continent to the uses of mankind. As they grew, agriculture expanded, with the ever-widening markets for its produce. Industry developed as raw materials were easily carried where they were needed — and finished goods were made readily available at prices which consumers could afford.

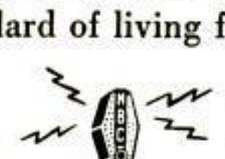
The mass market had arrived!

Today railroads are still growing in strength and service — setting even greater standards of efficiency in their operations.

That's why the railroads today haul more goods, more miles than *all* other forms of transportation combined—and the railroads' average charge for hauling a ton one mile is lower than that of any other form of general transportation.

This is a wonderful and a healthy sign for America — for now, as always, better railroads mean more and better goods — a higher standard of living for all!

**ASSOCIATION OF AMERICAN RAILROADS**
WASHINGTON 6, D. C.



You'll enjoy
THE RAILROAD HOUR
every Monday
evening on NBC.



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# COME DOWN, COACH

Things were tense in Winston-Salem when Reynolds High School took on Greensboro in the crucial game of the Western North Carolina football conference. Ten thousand people turned out for the struggle. When a pass took the action far from his camera, Greensboro *Daily News* Photographer Roy C. Matherly realized he had no chance to catch up with the play. So he turned back toward the Reynolds bench which was erupting as its team scored the second of two touchdowns that beat Greensboro. Matherly's picture froze the action so that it looked like a scene in a waxworks—the players in mid-emotion, a substitute running out on the field and Coach John Tandy floating stiffly in the air.



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FRENCH NOBILITY treasured this beautiful porcelain and bronze doré rotary clock. Now in the famous Old Charter collection, it dates from the elegant era of Louis XVI (1774-1792).

# It's so much smarter to give OLD CHARTER

## *(especially in this magnificent new gift decanter*)*

PERHAPS THE SUBTLEST COMPLIMENT you can pay a friend is a gift of Old Charter. The simple act of giving says, in effect: "I know you are a man who can appreciate the ultimate in fine whiskey. And here it is." Old Charter is available in a magnificent "heirloom" decanter (above) at no extra cost. Designed in a superb "Greek-Classic" style, it will be treasured as a keepsake even after the last drop of Old Charter has been enjoyed.

Superior from the start, Old Charter is ripened to magnificence by seven slumbrous years aging in the cask. Try it yourself. You'll see.



*tick, tock... tick, tock... the whiskey that didn't watch the clock... seven long years* **OLD CHARTER**

Kentucky's Finest Bourbon • *Also available in regular round bottle in Holiday Carton

STRAIGHT BOURBON WHISKEY • 7 YEARS OLD • 86 PROOF • OLD CHARTER DISTILLERY COMPANY • LOUISVILLE, KENTUCKY

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*Lizabeth Scott says:*

*"You try CAMELS— you'll see why they're first in popularity!"*




**LIZABETH SCOTT,** lovely movie star, is one of the many Hollywood personalities who smoke and prefer America's most popular cigarette, Camels!

R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

*for Mildness... for Flavor...* **Camels agree with more people than any other cigarette!**

**Make your own 30-day Camel Mildness Test**

**Smoke only Camels for 30 days . . . find out for yourself how right Camels' mildness and flavor are for you!**




***Don't you, too, rate the best?***

When more smokers choose Camels for mildness — rich flavor, too — than any other cigarette in history, don't you wonder if they'd suit you best, too? You want a mild smoke, a flavorful smoke — and that's what Camels' costly tobaccos provide in a way other brands can't equal. So try Camels yourself for 30 days. See how much you've been missing! See why Camels give more pure pleasure to more people than any other cigarette!

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